

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\
 Data File : VW005500.D
 Acq On : 19 Sep 2018 01:07
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/19/2018 3:44:50 PM

Quant Time: Sep 19 06:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	313565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	481697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	454833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	229836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152020	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.89	113	128340	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.33	98	621756	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	231917	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	128192	47.97	ug/l	98
3) Chloromethane	2.21	50	199244	53.83	ug/l	100
4) Vinyl Chloride	2.36	62	173046	49.91	ug/l	96
5) Bromomethane	2.78	94	108346	51.52	ug/l	99
6) Chloroethane	2.92	64	96359	46.89	ug/l	96
7) Trichlorofluoromethane	3.26	101	206055	44.86	ug/l	99
8) Diethyl Ether	3.69	74	73605	53.92	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.07	101	131965	49.26	ug/l	97
10) Methyl Iodide	4.28	142	133707	40.12	ug/l	96
11) Tert butyl alcohol	5.23	59	52341	268.47	ug/l	98
12) 1,1-Dichloroethene	4.04	96	122082	50.32	ug/l	90
13) Acrolein	3.91	56	37598	270.27	ug/l	97
14) Allyl chloride	4.68	41	268136	59.40	ug/l	92
15) Acrylonitrile	5.39	53	178755	286.28	ug/l	99
16) Acetone	4.16	43	134686	290.69	ug/l	98
17) Carbon Disulfide	4.38	76	429052	50.20	ug/l	99
18) Methyl Acetate	4.70	43	92977	59.45	ug/l	97
19) Methyl tert-butyl Ether	5.44	73	356613	54.14	ug/l	99
20) Methylene Chloride	4.92	84	179053	56.16	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	146395	50.53	ug/l	94
22) Diisopropyl ether	6.32	45	553373	62.36	ug/l	97
23) Vinyl Acetate	6.27	43	1511282	298.87	ug/l	97
24) 1,1-Dichloroethane	6.23	63	290505	53.95	ug/l	98
25) 2-Butanone	7.19	43	224776	287.08	ug/l	92
26) 2,2-Dichloropropane	7.18	77	229566	47.52	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	163826	51.98	ug/l	98
28) Bromochloromethane	7.52	49	117978	56.33	ug/l #	88
29) Tetrahydrofuran	7.54	42	149579	299.88	ug/l	94
30) Chloroform	7.68	83	280327	50.27	ug/l	99
31) Cyclohexane	7.96	56	281150	54.12	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	252976	48.79	ug/l	99
36) 1,1-Dichloropropene	8.09	75	229947	50.44	ug/l	99
37) Ethyl Acetate	7.26	43	105098	56.69	ug/l	97
38) Carbon Tetrachloride	8.07	117	214923	45.24	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\
 Data File : VW005500.D
 Acq On : 19 Sep 2018 01:07
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/19/2018 3:44:50 PM

Quant Time: Sep 19 06:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	278159	52.51	ug/l	98
40) Benzene	8.33	78	690316	52.27	ug/l	100
41) Methacrylonitrile	7.49	41	66930	59.84	ug/l	95
42) 1,2-Dichloroethane	8.41	62	190962	46.20	ug/l	97
43) Isopropyl Acetate	8.43	43	204865	56.62	ug/l	97
44) Trichloroethene	9.10	130	165206	48.61	ug/l	97
45) 1,2-Dichloropropane	9.38	63	175285	55.56	ug/l	99
46) Dibromomethane	9.46	93	78007	50.26	ug/l	97
47) Bromodichloromethane	9.65	83	208826	49.66	ug/l	99
48) Methyl methacrylate	9.45	41	103237	57.18	ug/l	96
49) 1,4-Dioxane	9.49	88	29371	1135.40	ug/l #	99
51) 4-Methyl-2-Pentanone	10.22	43	551091	295.89	ug/l	99
52) Toluene	10.40	92	466211	52.13	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	214369	50.94	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	252467	52.98	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	115293	49.98	ug/l	96
56) Ethyl methacrylate	10.65	69	168123	57.58	ug/l	98
57) 1,3-Dichloropropane	10.94	76	209873	52.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	404188	306.07	ug/l	95
59) 2-Hexanone	10.98	43	384450	303.03	ug/l	99
60) Dibromochloromethane	11.13	129	131962	47.55	ug/l	99
61) 1,2-Dibromoethane	11.24	107	105964	51.22	ug/l	99
64) Tetrachloroethene	10.87	164	169278	50.36	ug/l	98
65) Chlorobenzene	11.66	112	499289	51.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	153892	49.88	ug/l	98
67) Ethyl Benzene	11.74	91	912890	53.78	ug/l	98
68) m/p-Xylenes	11.85	106	690577	105.70	ug/l	99
69) o-Xylene	12.17	106	324339	53.31	ug/l	100
70) Styrene	12.19	104	541528	53.93	ug/l	99
71) Bromoform	12.35	173	78355	48.01	ug/l #	98
73) Isopropylbenzene	12.47	105	892599	55.36	ug/l	100
74) N-amyl acetate	12.28	43	211095	62.13	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	136265	57.93	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	97108m	51.37	ug/l	
77) Bromobenzene	12.76	156	195517	51.29	ug/l	93
78) n-propylbenzene	12.81	91	1087570	55.89	ug/l	99
79) 2-Chlorotoluene	12.90	91	628849	54.77	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	756622	53.78	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	40439	55.49	ug/l	98
82) 4-Chlorotoluene	12.99	91	653233	53.89	ug/l	100
83) tert-Butylbenzene	13.21	119	629475	53.87	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	772080	54.05	ug/l	100
85) sec-Butylbenzene	13.39	105	916480	54.28	ug/l	99
86) p-Isopropyltoluene	13.51	119	806410	53.40	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	399839	51.72	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	391369	51.40	ug/l	100
89) n-Butylbenzene	13.83	91	779149	55.41	ug/l	99
90) Hexachloroethane	14.10	117	135429	52.34	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	352598	52.18	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24070	53.28	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\
 Data File : VW005500.D
 Acq On : 19 Sep 2018 01:07
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

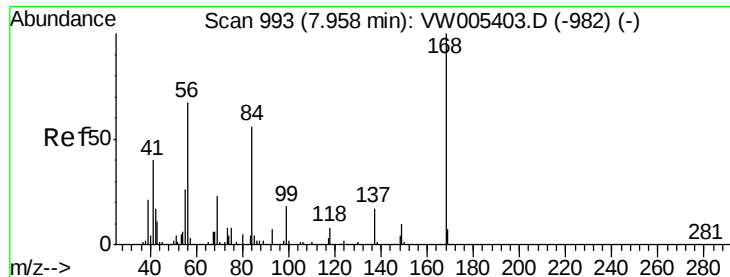
Manual Integrations
 APPROVED

apatel
 9/19/2018 3:44:50 PM

Quant Time: Sep 19 06:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	237151	52.60	ug/l	99
94) Hexachlorobutadiene	15.24	225	144433	49.06	ug/l	99
95) Naphthalene	15.38	128	410074	54.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	204573	51.99	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

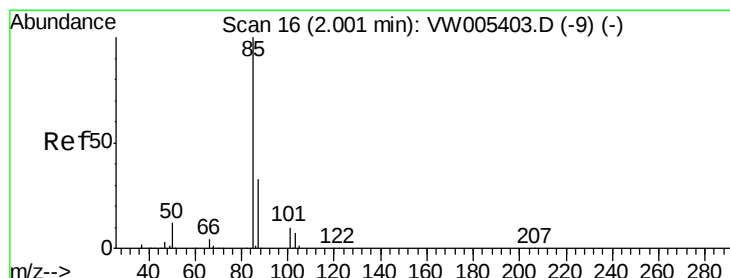
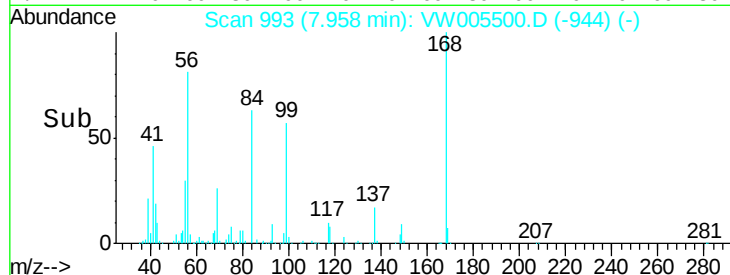
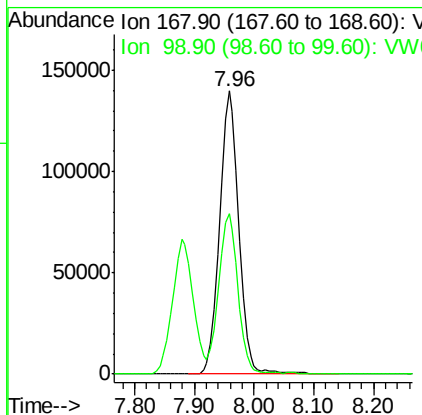
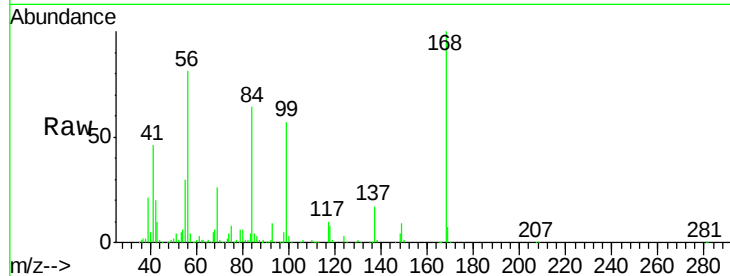
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.7	45.0	67.6

Manual Integrations
 APPROVED

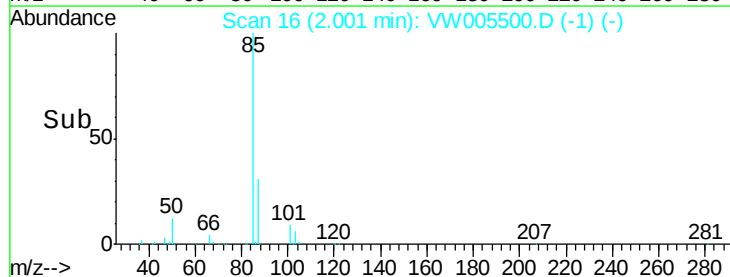
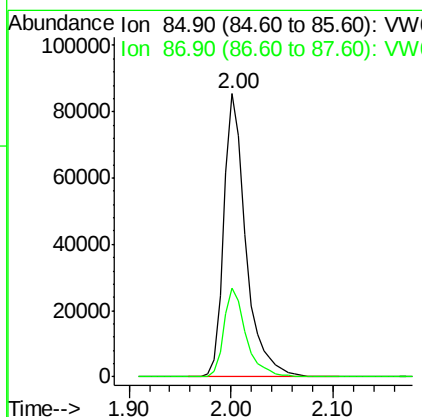
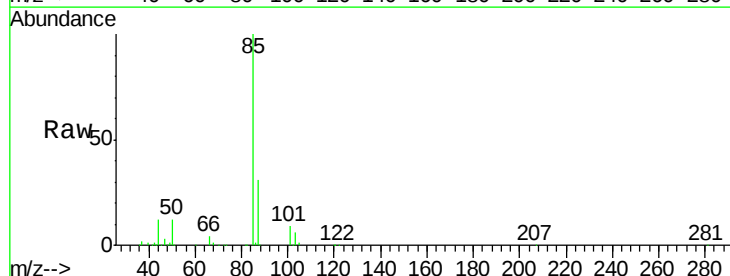
apatel
 9/19/2018 3:44:50 PM

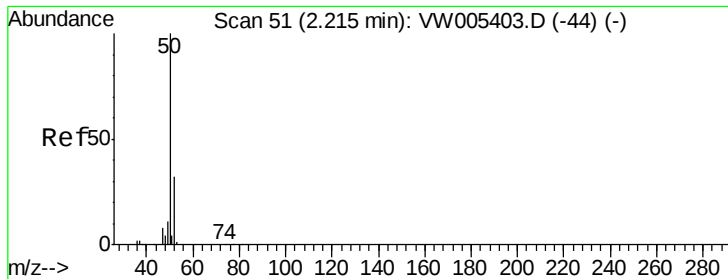


#2

Dichlorodifluoromethane
 Concen: 47.97 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.4	49.1





#3

Chloromethane

Concen: 53.83 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 199244

Ion Ratio Lower Upper

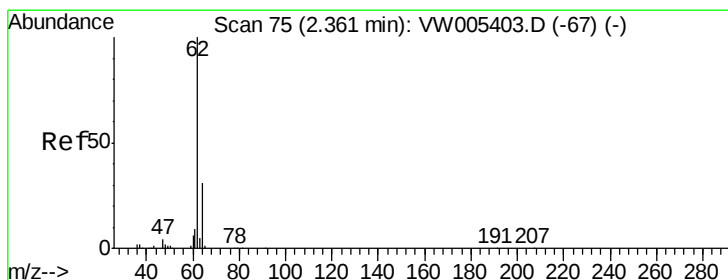
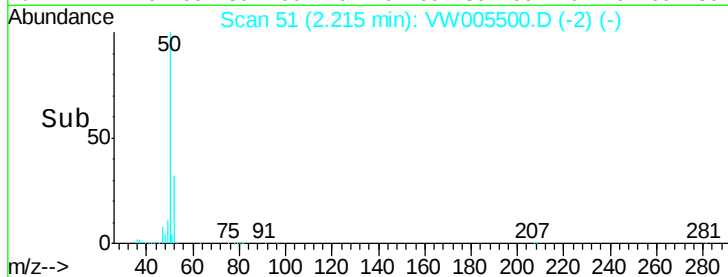
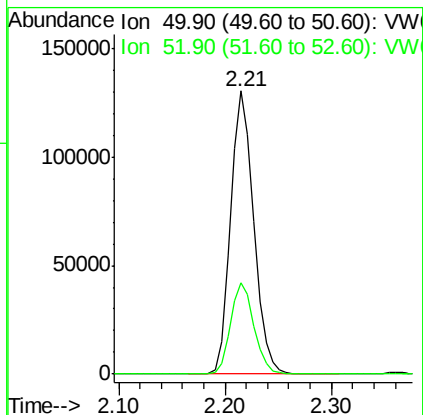
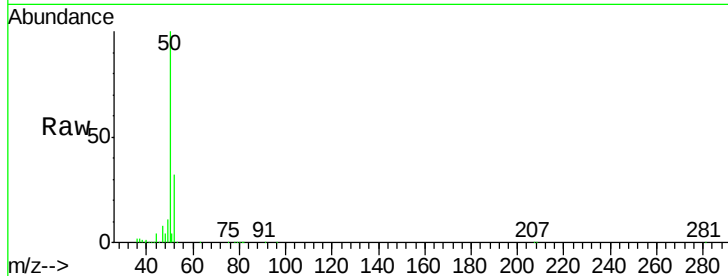
50 100

52 32.2 25.8 38.6

Manual Integrations
APPROVED

apatel

9/19/2018 3:44:50 PM



#4

Vinyl Chloride

Concen: 49.91 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW005500.D

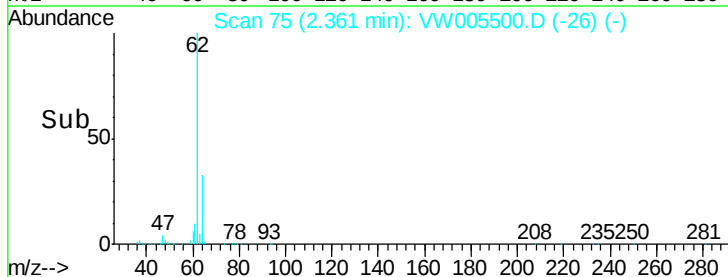
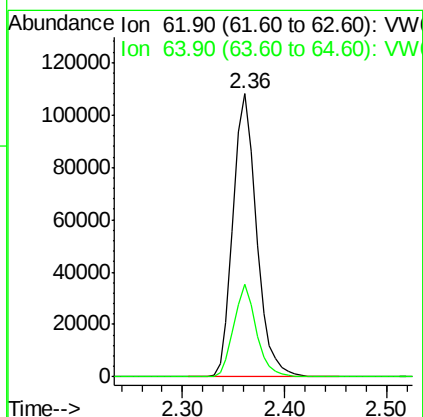
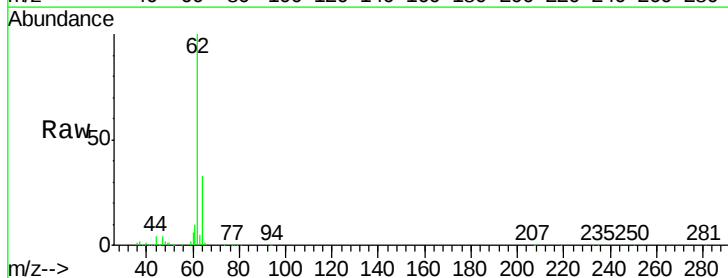
Acq: 19 Sep 2018 01:07

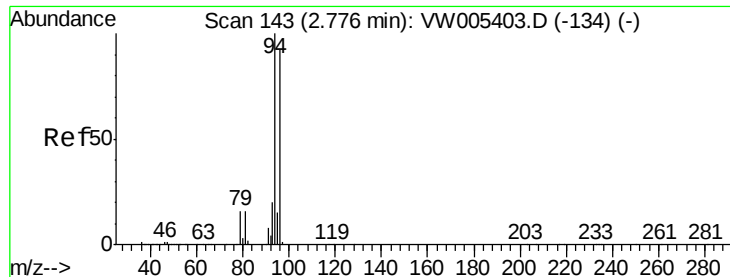
Tgt Ion: 62 Resp: 173046

Ion Ratio Lower Upper

62 100

64 32.8 24.5 36.7





#5

Bromomethane

Concen: 51.52 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 108346

Ion Ratio Lower Upper

94 100

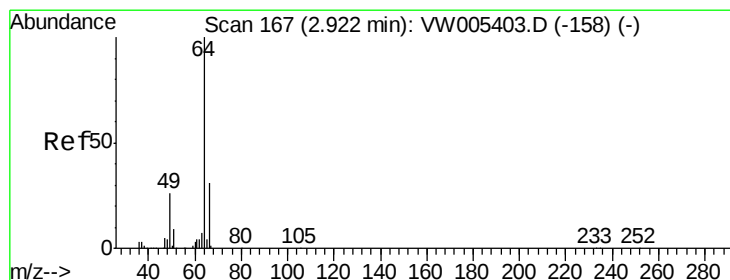
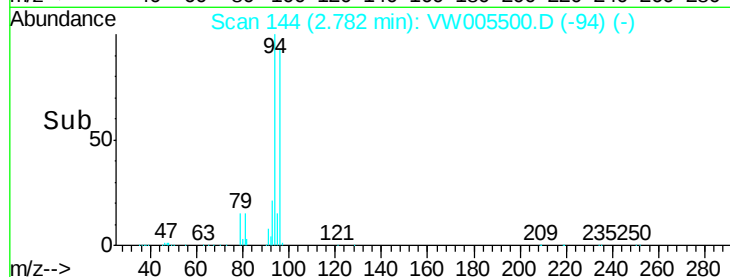
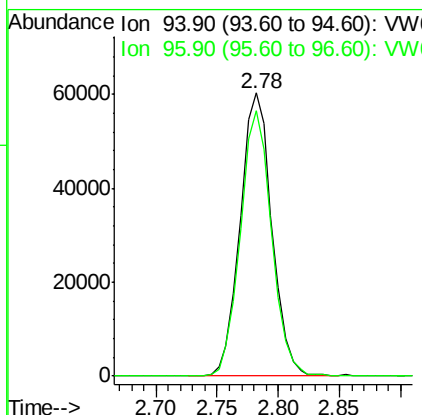
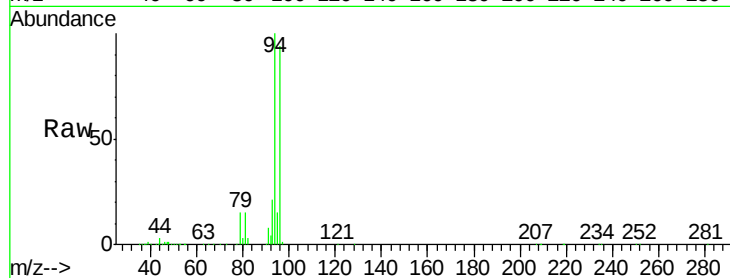
96 93.4 73.7 110.5

Manual Integrations

APPROVED

apatel

9/19/2018 3:44:50 PM



#6

Chloroethane

Concen: 46.89 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW005500.D

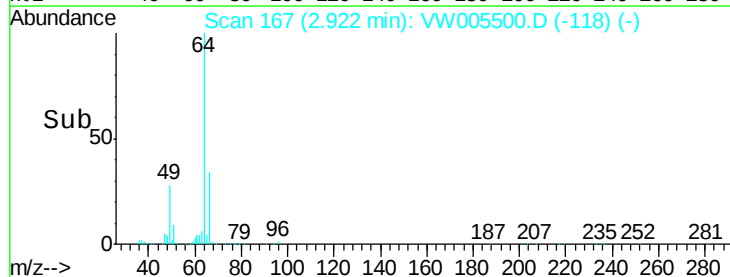
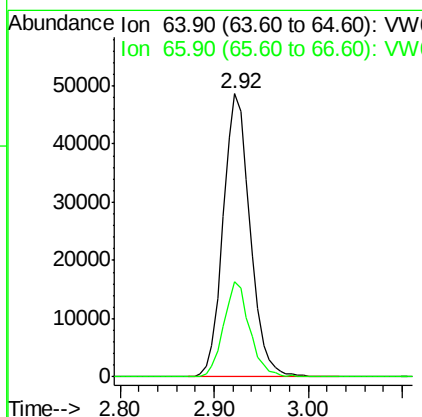
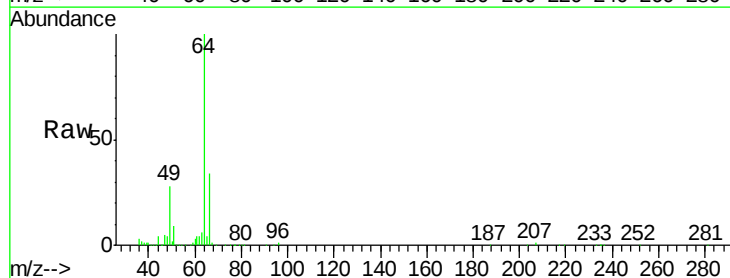
Acq: 19 Sep 2018 01:07

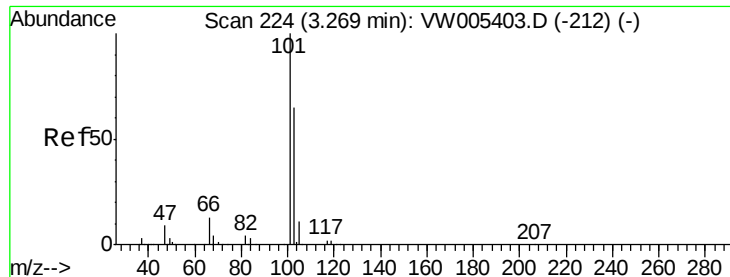
Tgt Ion: 64 Resp: 96359

Ion Ratio Lower Upper

64 100

66 33.5 25.2 37.8





#7

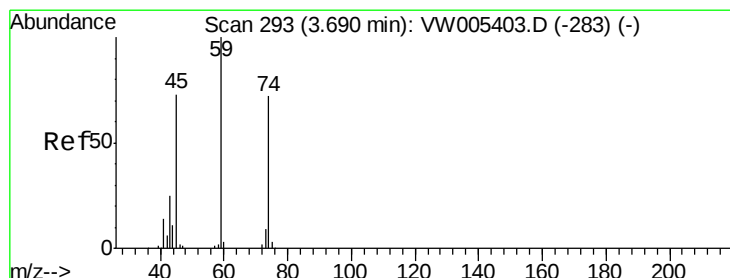
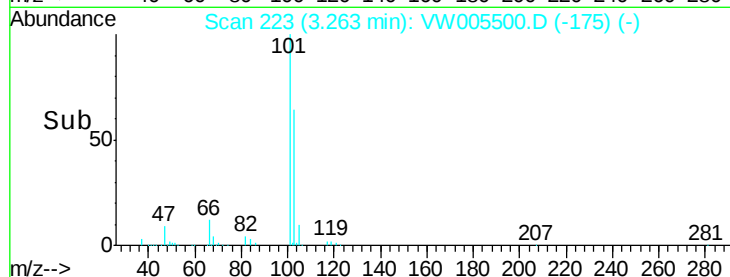
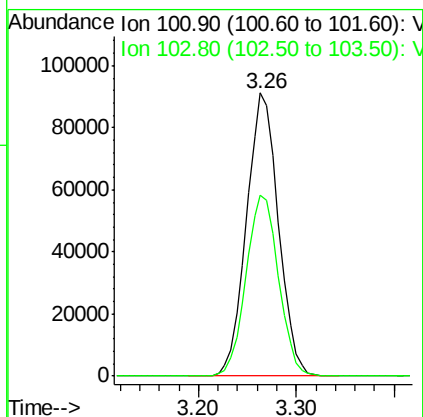
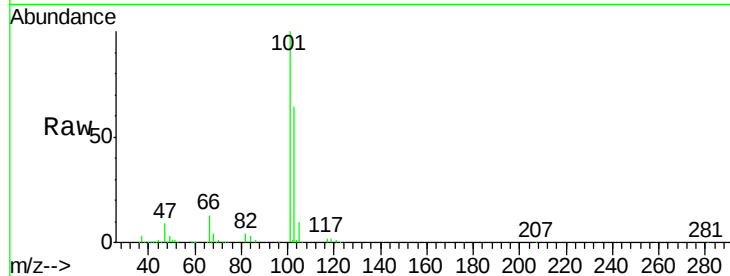
Trichlorofluoromethane
 Concen: 44.86 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.7	77.5

Manual Integrations
 APPROVED

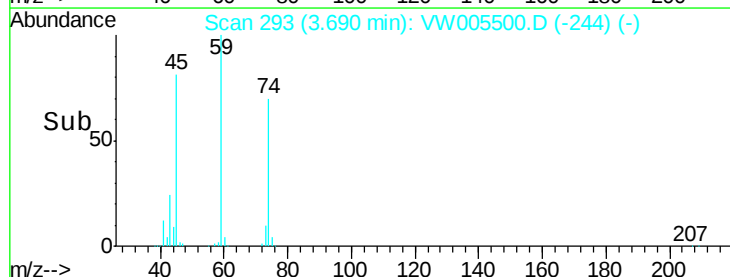
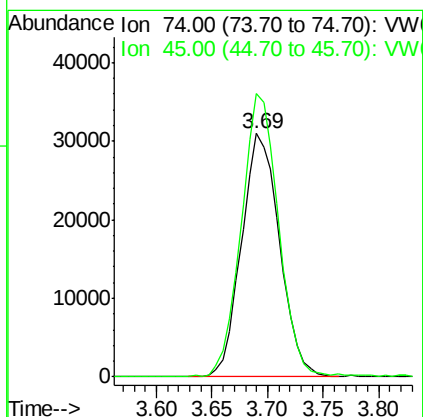
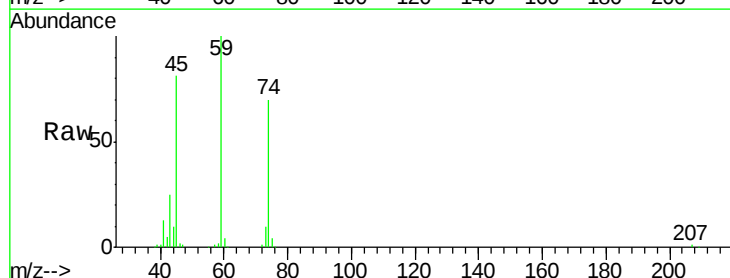
apatel
 9/19/2018 3:44:50 PM

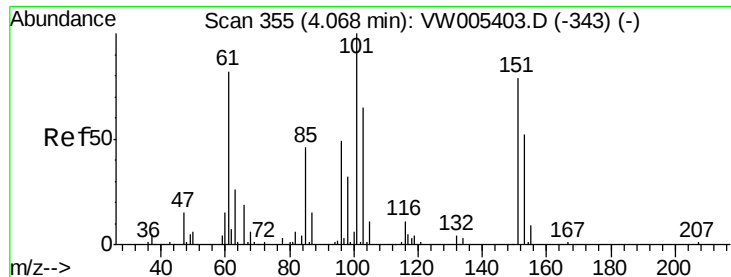


#8

Diethyl Ether
 Concen: 53.92 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.6	53.1	159.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.26 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

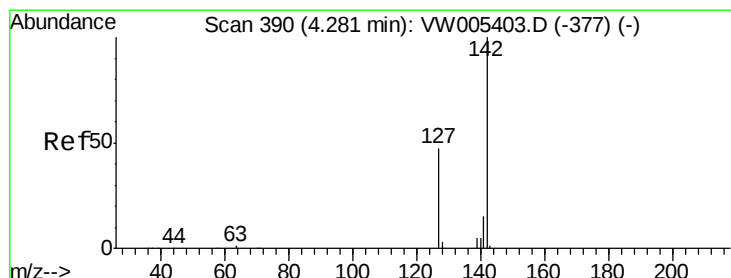
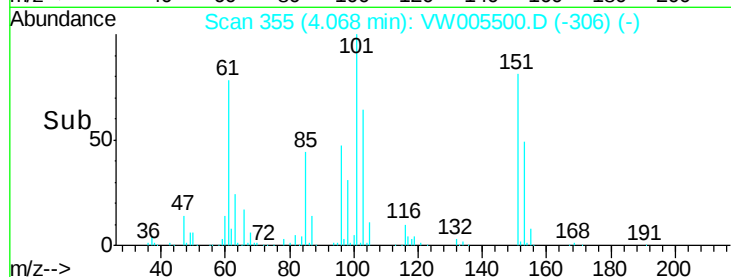
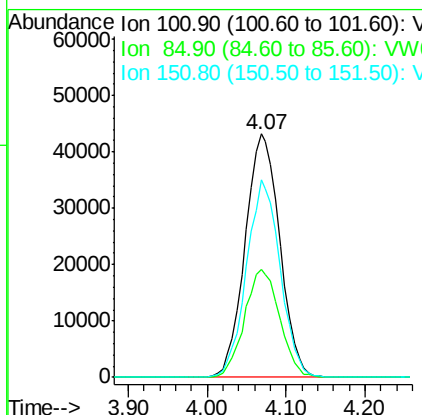
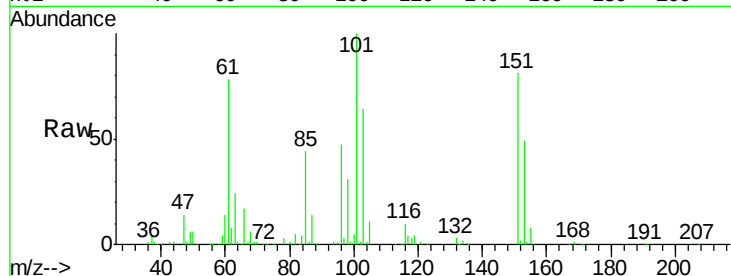
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	131965
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	54.8
151	79.1	66.3	99.5

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



#10

Methyl Iodide

Concen: 40.12 ug/l

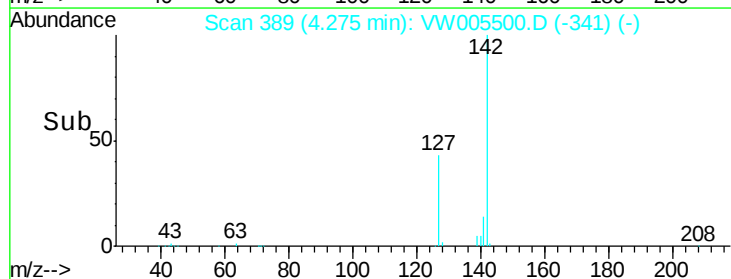
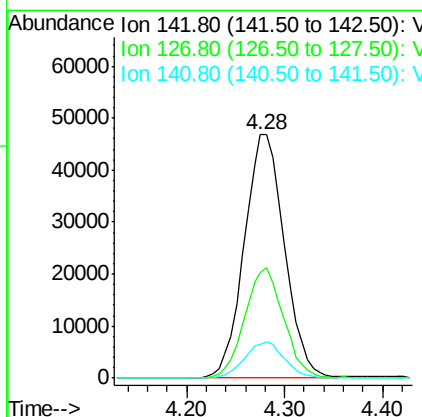
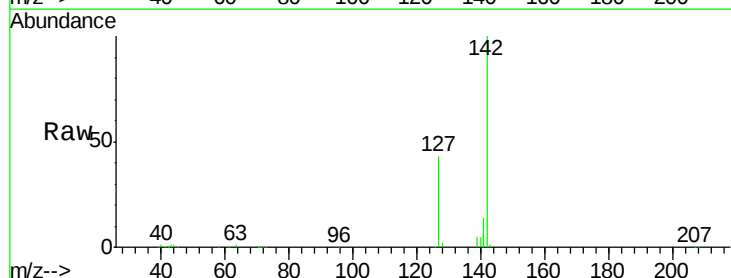
RT: 4.28 min Scan# 389

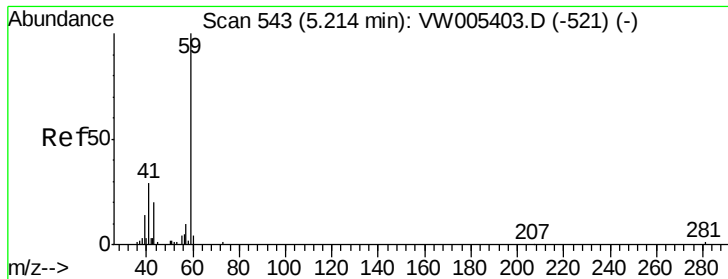
Delta R.T. -0.01 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion:	142	Resp:	133707
Ion Ratio	Lower	Upper	
142	100		
127	43.8	37.5	56.3
141	14.8	12.4	18.6





#11

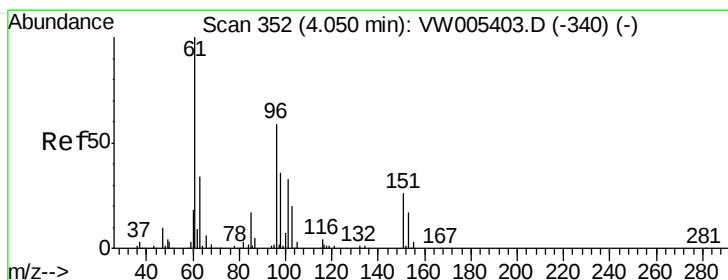
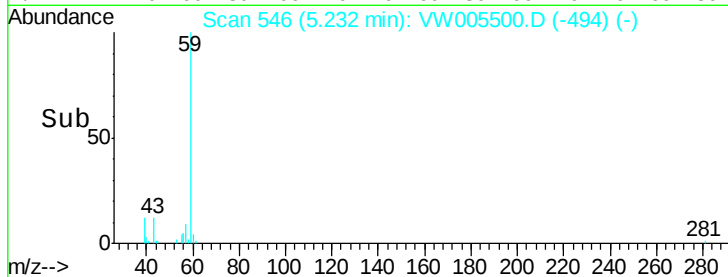
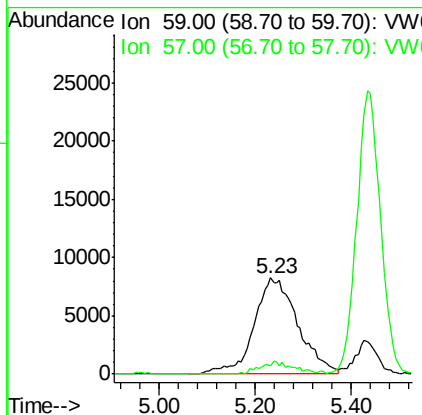
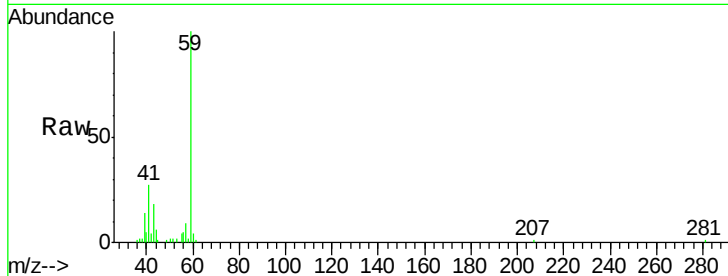
Tert butyl alcohol
Concen: 268.47 ug/l
RT: 5.23 min Scan# 546
Delta R.T. 0.02 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	13.0

Manual Integrations
APPROVED

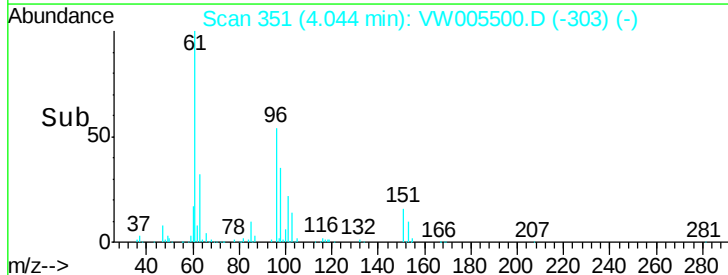
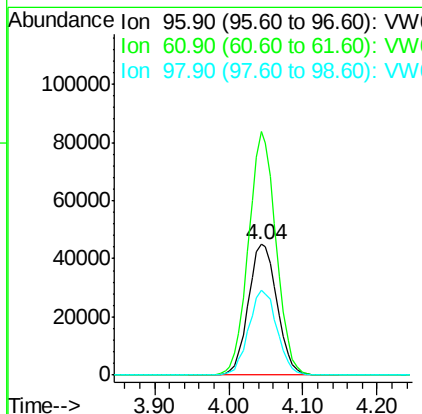
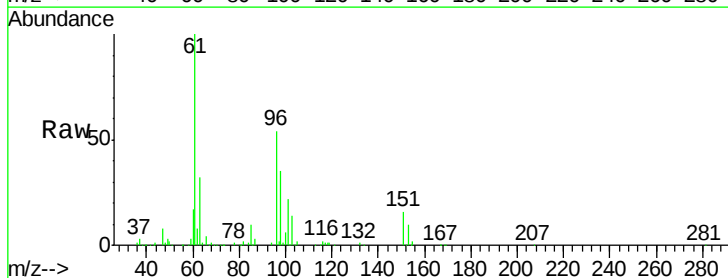
apatel
9/19/2018 3:44:50 PM

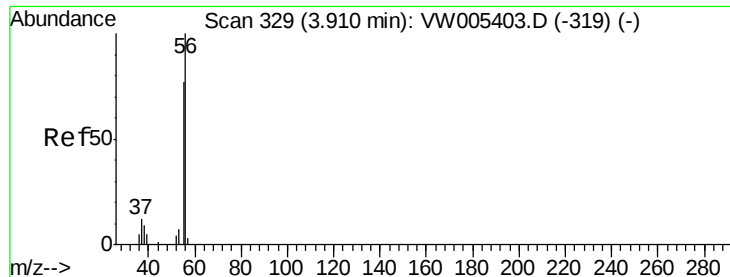


#12

1,1-Dichloroethene
Concen: 50.32 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.01 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.3	135.7	203.5
98	64.8	48.6	73.0





#13

Acrolein

Concen: 270.27 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 37598

Ion Ratio Lower Upper

56 100

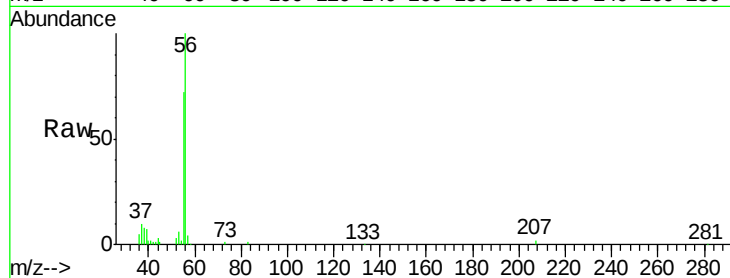
55 71.8 59.8 89.8

Manual Integrations

APPROVED

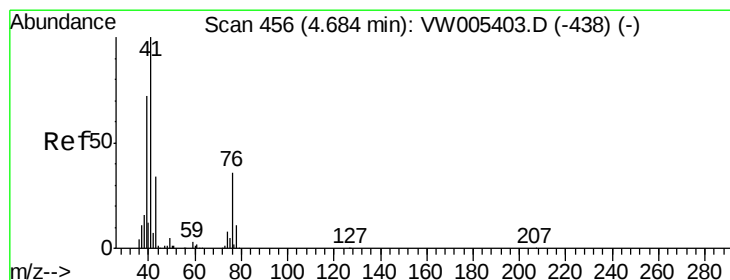
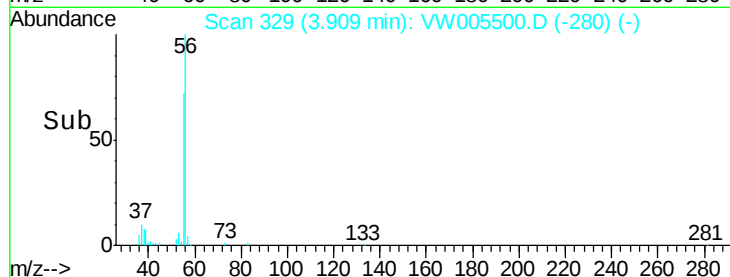
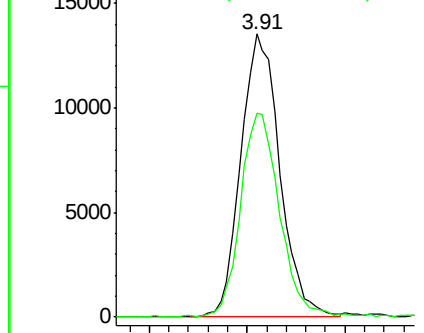
apatel

9/19/2018 3:44:50 PM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 59.40 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

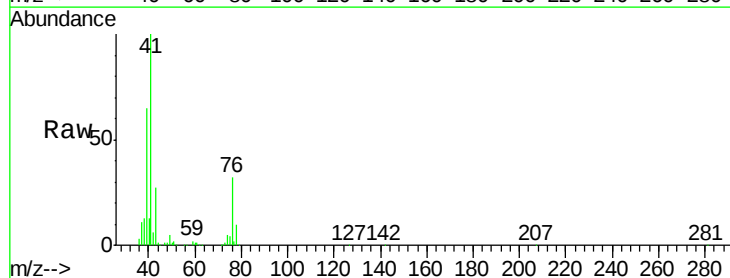
Tgt Ion: 41 Resp: 268136

Ion Ratio Lower Upper

41 100

39 66.2 58.6 88.0

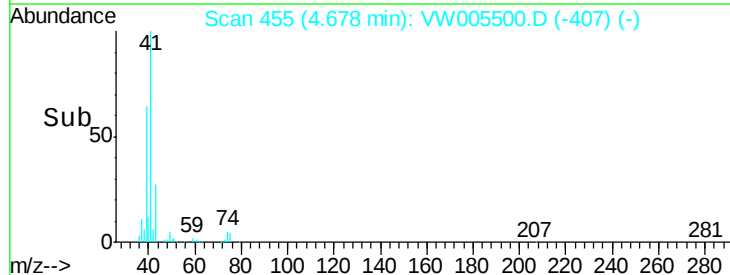
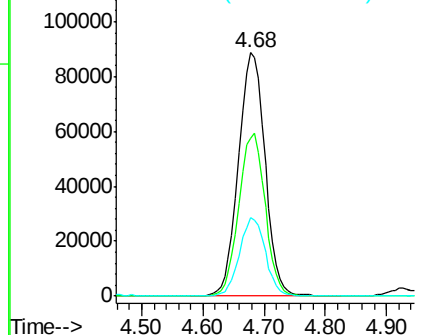
76 31.1 27.4 41.0

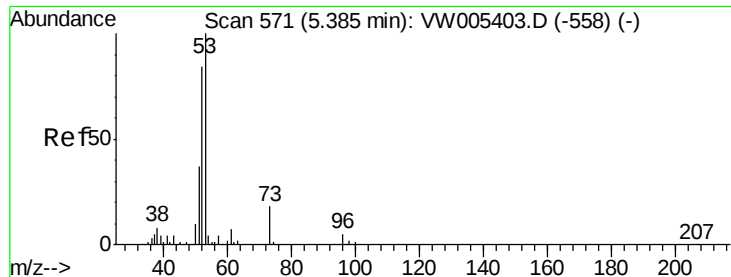


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 286.28 ug/l

RT: 5.39 min Scan# 572

Delta R.T. 0.01 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

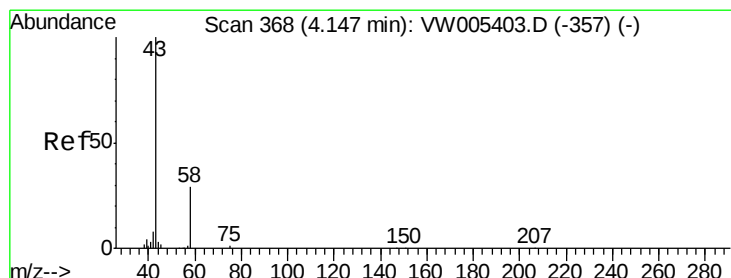
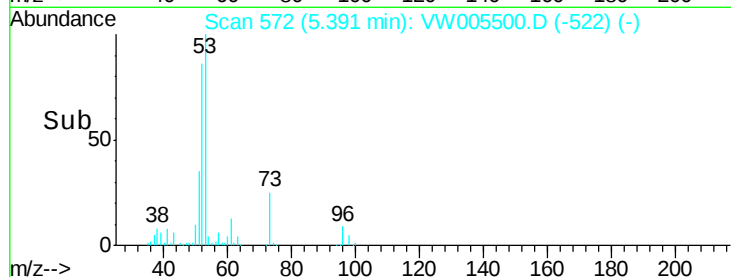
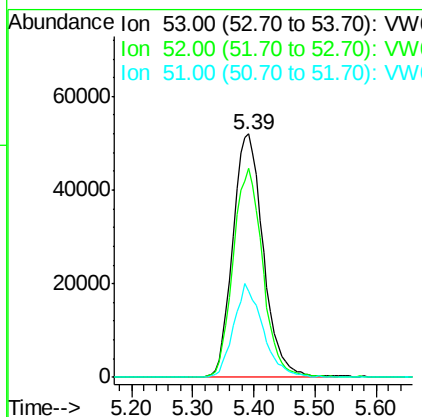
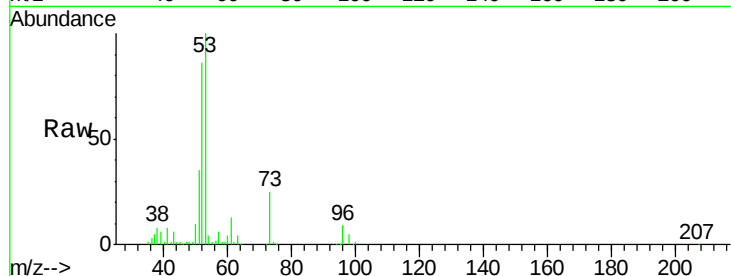
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	178755
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.6	99.8
51	36.7	31.1	46.7

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



#16

Acetone

Concen: 290.69 ug/l

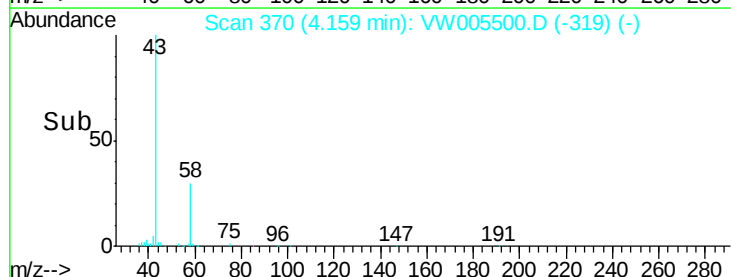
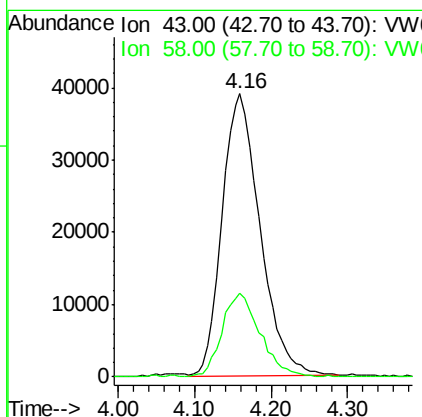
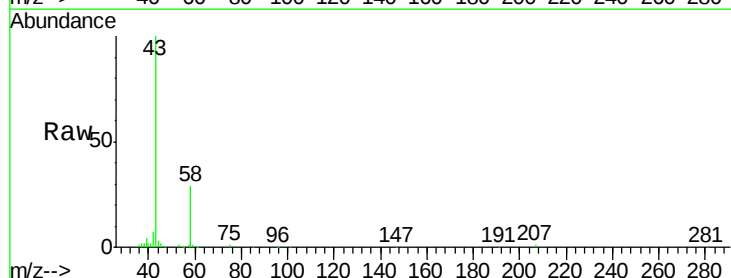
RT: 4.16 min Scan# 370

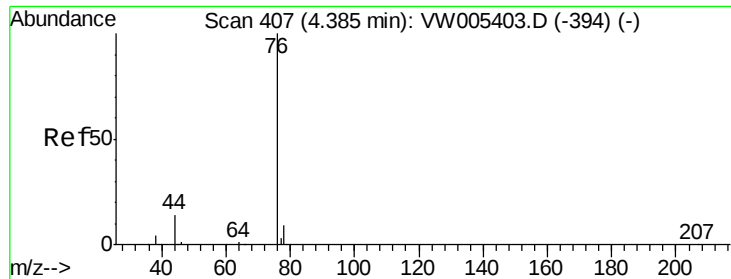
Delta R.T. 0.01 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion:	43	Resp:	134686
Ion Ratio	Lower	Upper	
43	100		
58	29.3	22.8	34.2





#17

Carbon Disulfide

Concen: 50.20 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 429052

Ion Ratio Lower Upper

76 100

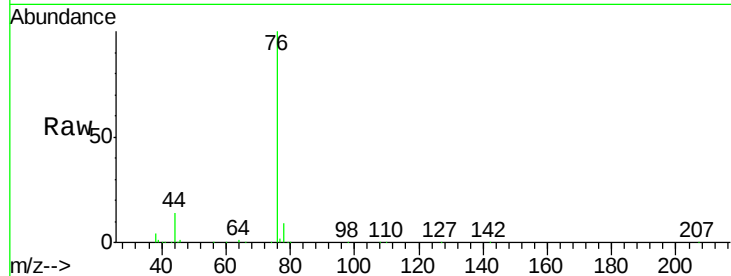
78 9.0 7.4 11.0

Manual Integrations

APPROVED

apatel

9/19/2018 3:44:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

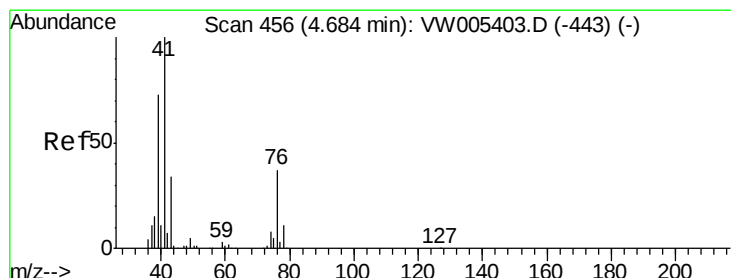
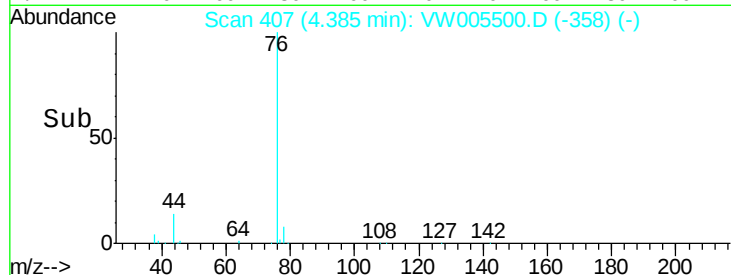
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 59.45 ug/l

RT: 4.70 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW005500.D

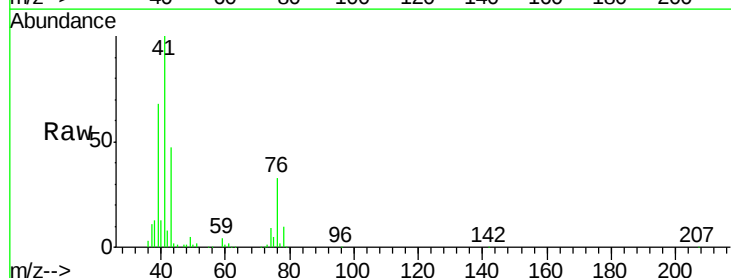
Acq: 19 Sep 2018 01:07

Tgt Ion: 43 Resp: 92977

Ion Ratio Lower Upper

43 100

74 20.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.70

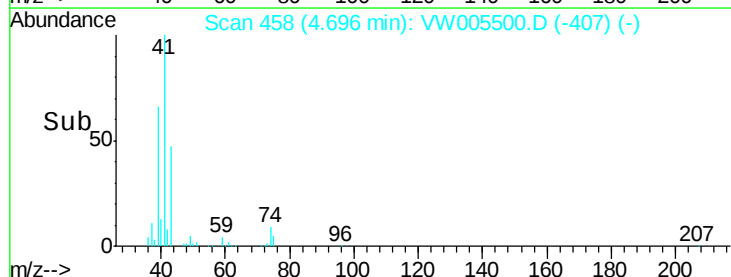
30000

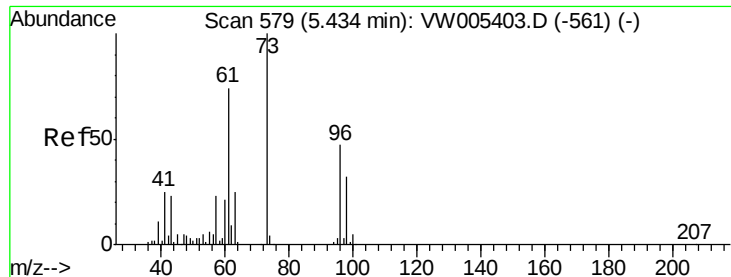
20000

10000

0

Time-->





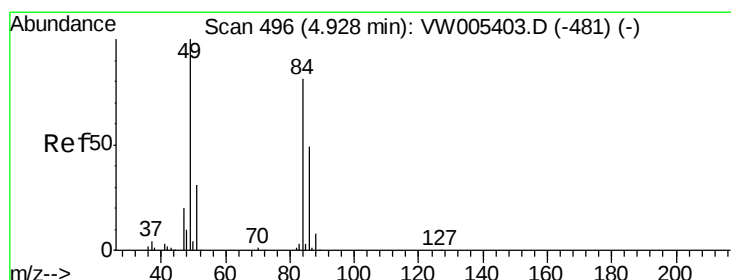
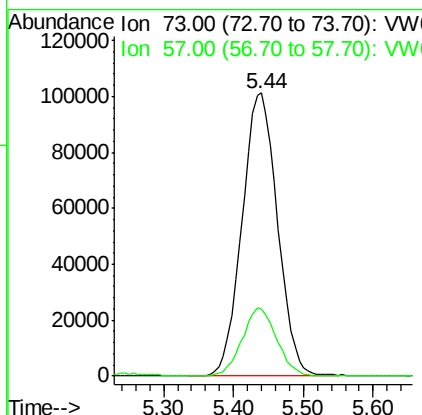
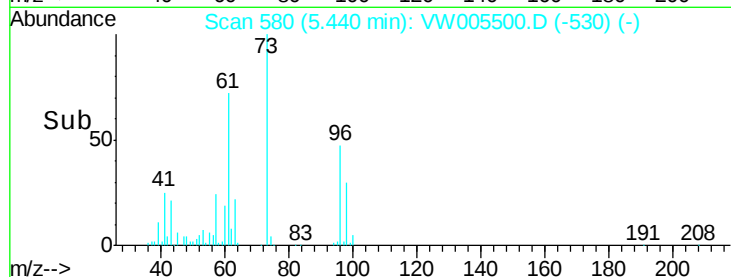
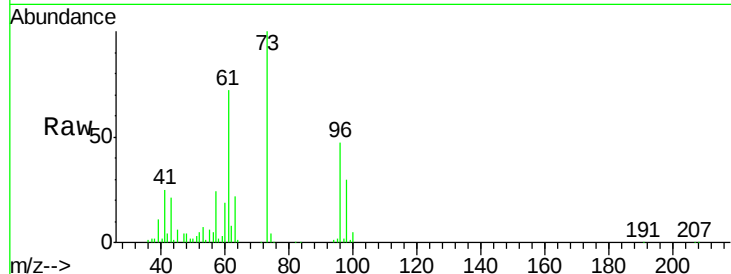
#19
Methvl tert-butvl Ether
Concen: 54.14 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 356613
Ion Ratio Lower Upper
73 100
57 23.7 18.6 28.0

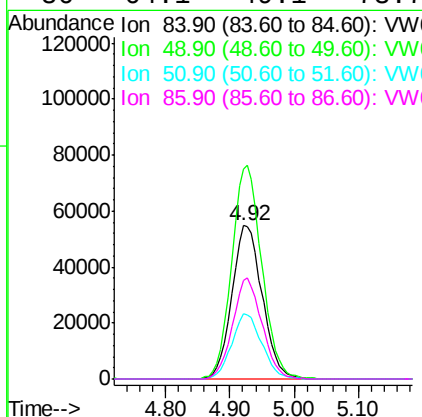
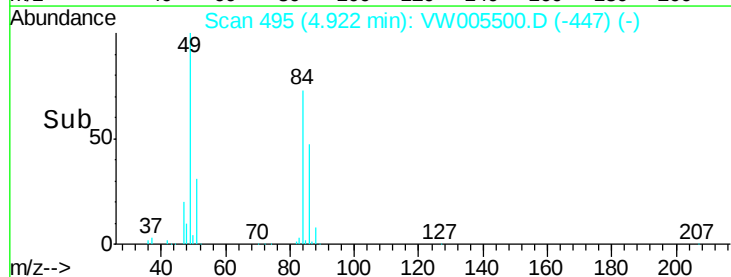
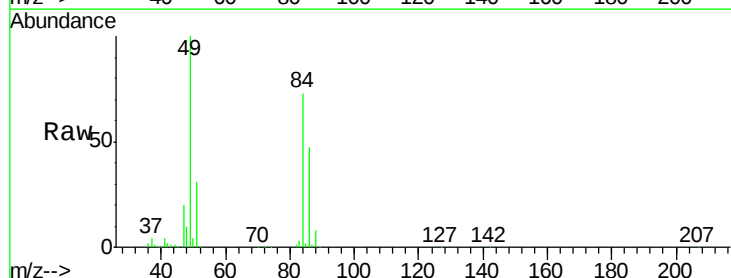
Manual Integrations
APPROVED

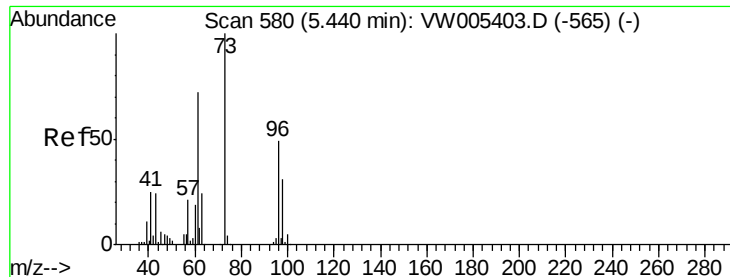
apatel
9/19/2018 3:44:50 PM



#20
Methylene Chloride
Concen: 56.16 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion: 84 Resp: 179053
Ion Ratio Lower Upper
84 100
49 137.1 99.3 148.9
51 42.5 31.1 46.7
86 64.1 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 50.53 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.01 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 146395

Ion Ratio Lower Upper

96 100

61 155.5 116.7 175.1

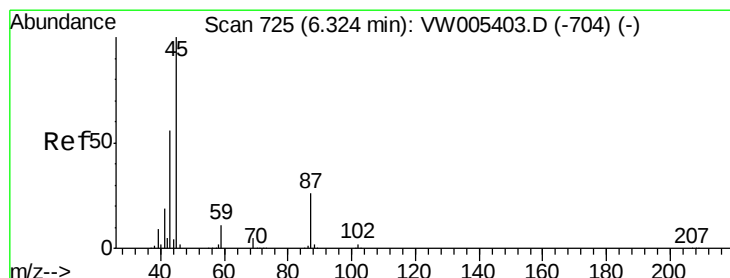
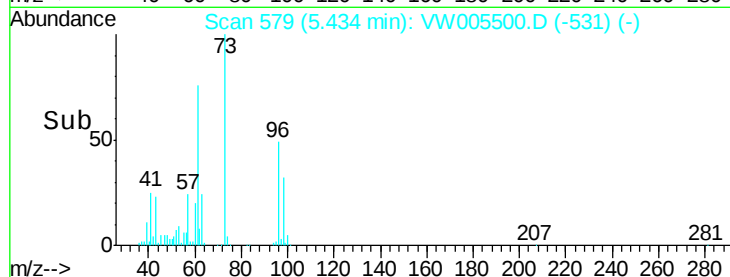
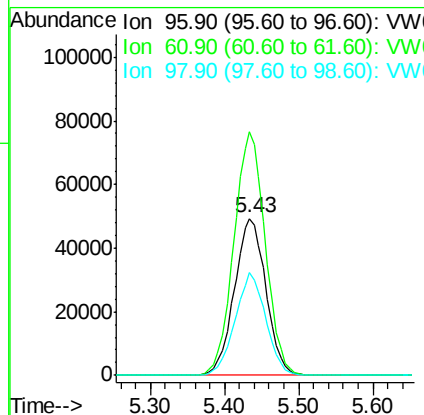
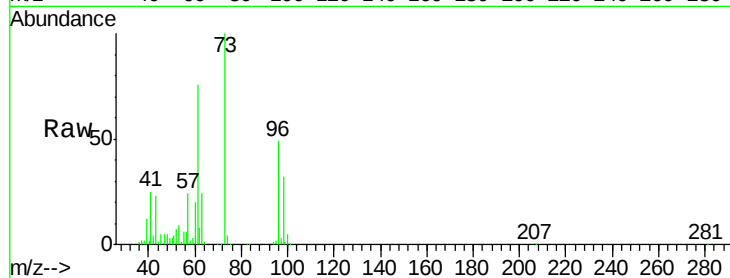
98 65.7 51.0 76.6

Manual Integrations

APPROVED

apatel

9/19/2018 3:44:50 PM



#22

Diisopropyl ether

Concen: 62.36 ug/l

RT: 6.32 min Scan# 725

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion: 45 Resp: 553373

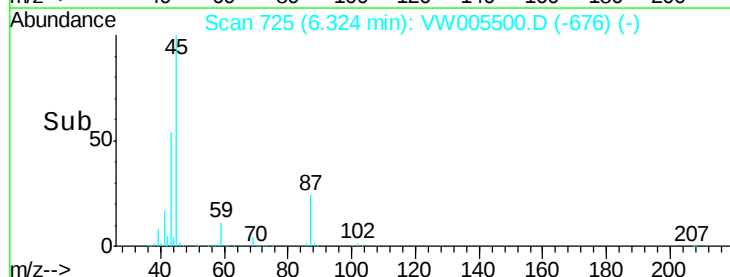
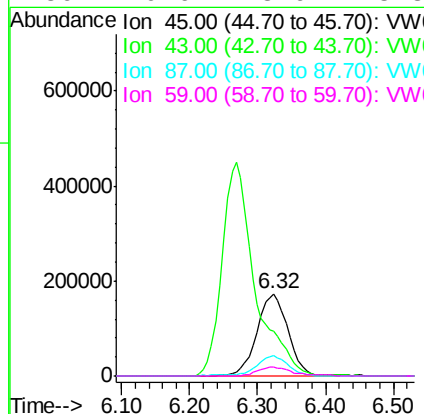
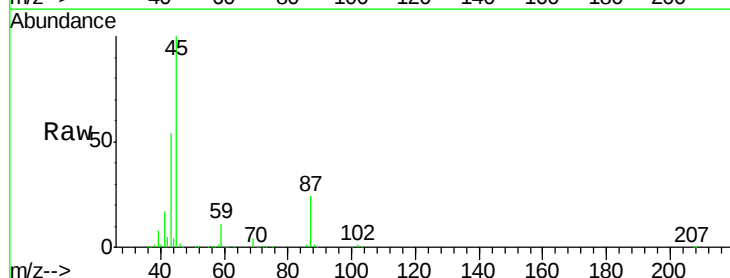
Ion Ratio Lower Upper

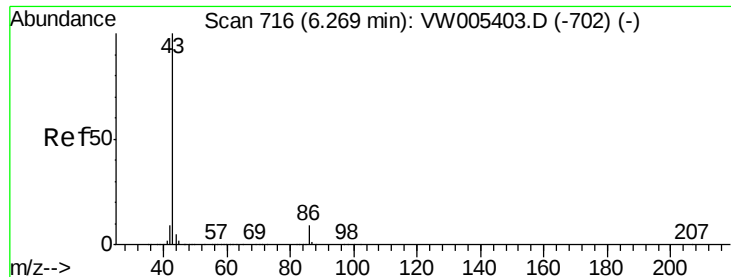
45 100

43 53.7 44.6 67.0

87 24.0 20.6 31.0

59 10.6 8.9 13.3





#23

Vinyl Acetate

Concen: 298.87 ug/l

RT: 6.27 min Scan# 716

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tot Ion: 43 Resp: 1511282

Ion Ratio Lower Upper

43 100

86 8.5 7.5 11.3

Instrument :

MSVOA_W

ClientSampleId :

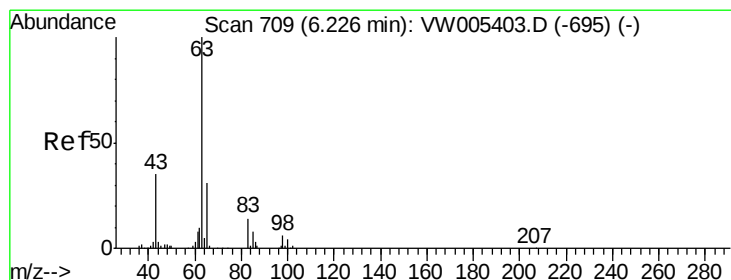
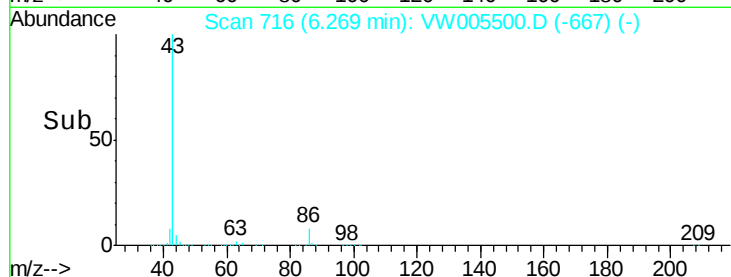
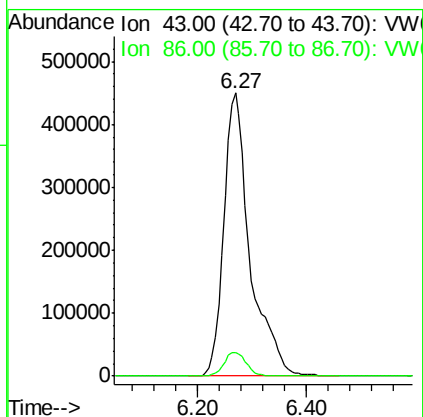
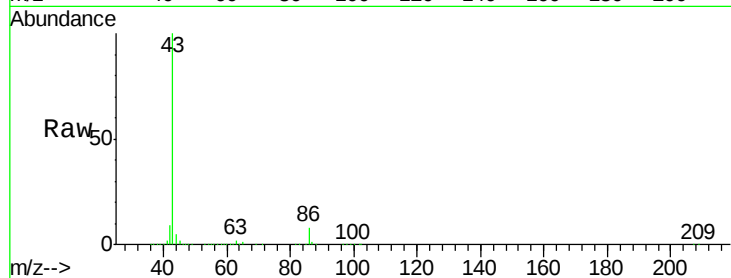
VSTDCCC050

Manual Integrations

APPROVED

apatel

9/19/2018 3:44:50 PM



#24

1,1-Dichloroethane

Concen: 53.95 ug/l

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

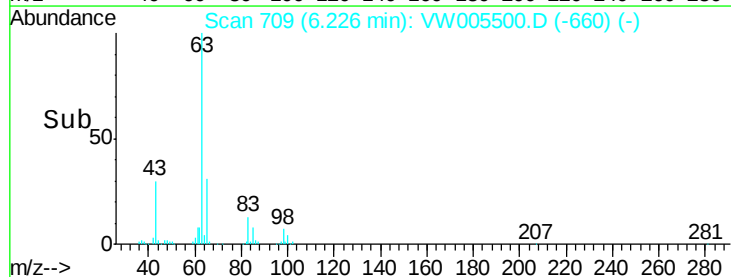
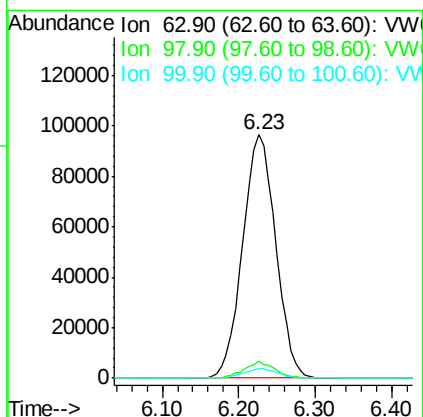
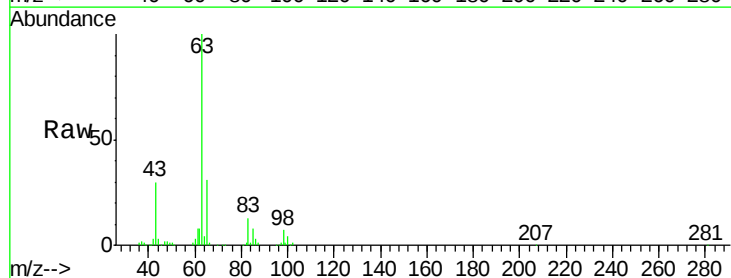
Tgt Ion: 63 Resp: 290505

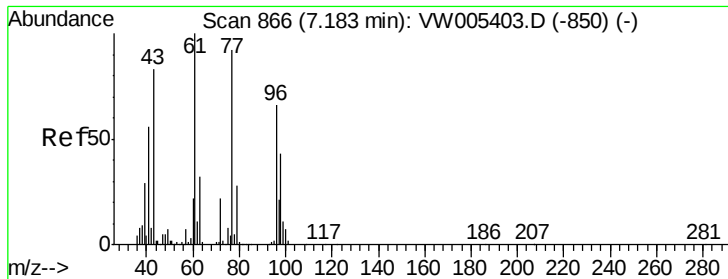
Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 287.08 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 224776

Ion Ratio Lower Upper

43 100

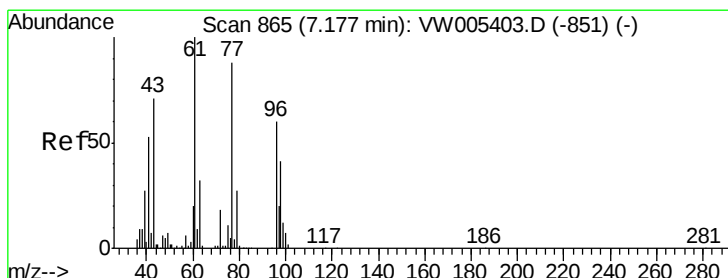
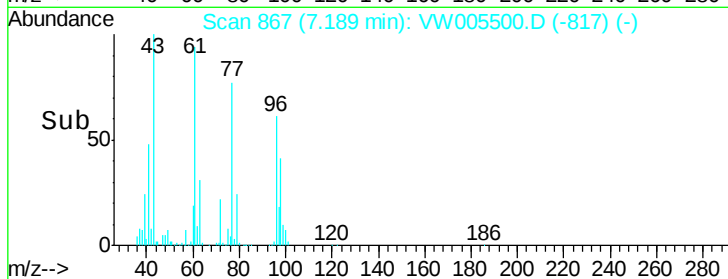
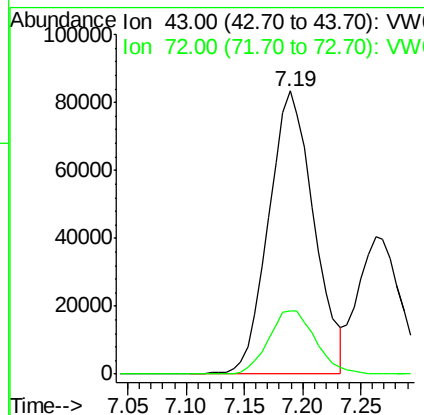
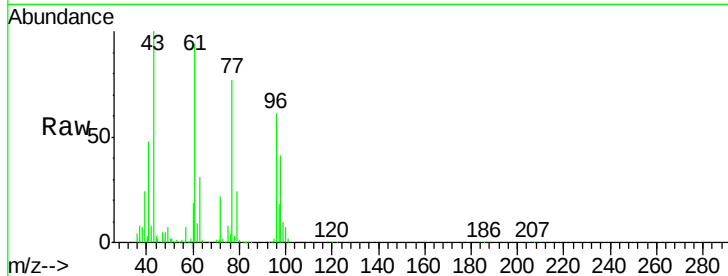
72 22.4 21.1 31.7

Manual Integrations

APPROVED

apatel

9/19/2018 3:44:50 PM



#26

2,2-Dichloropropane

Concen: 47.52 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005500.D

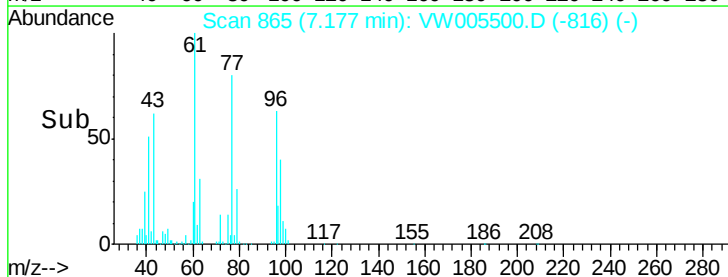
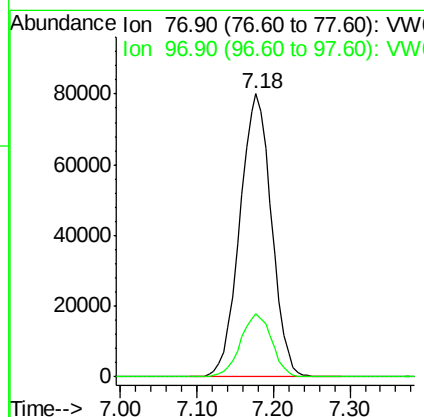
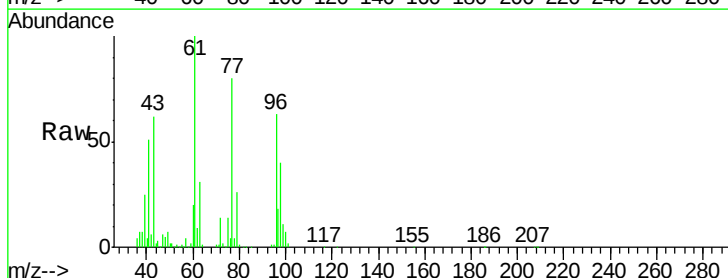
Acq: 19 Sep 2018 01:07

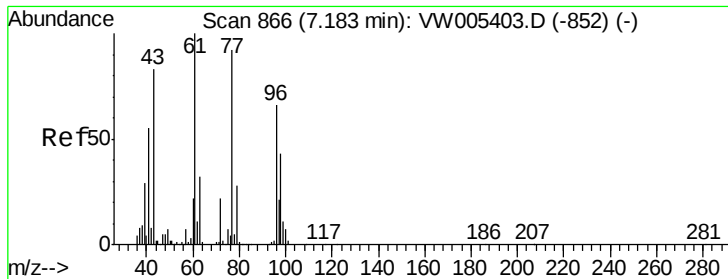
Tgt Ion: 77 Resp: 229566

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

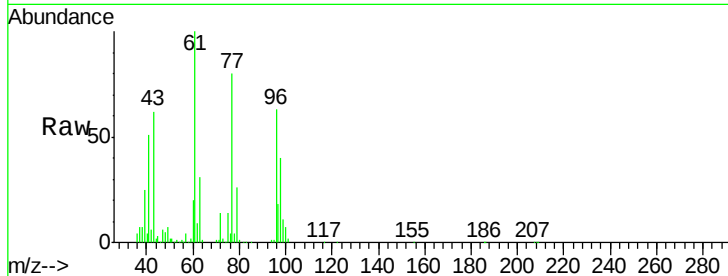
cis-1,2-Dichloroethene
Concen: 51.98 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

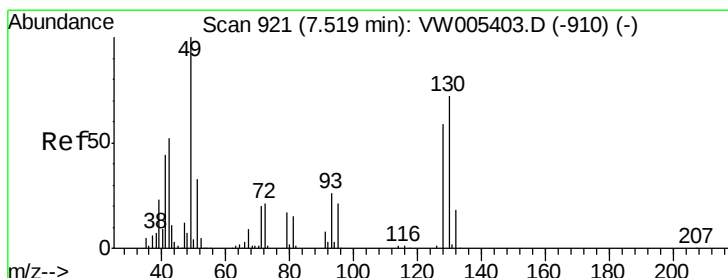
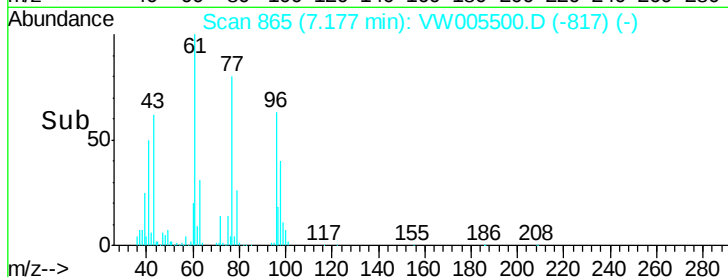
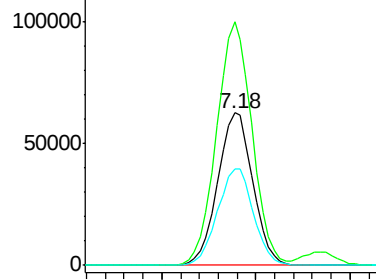
Tot Ion	Ratio	Resp	Lower	Upper
96	100	163826		
61	160.9	0.0	316.0	
98	64.7	0.0	130.8	

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



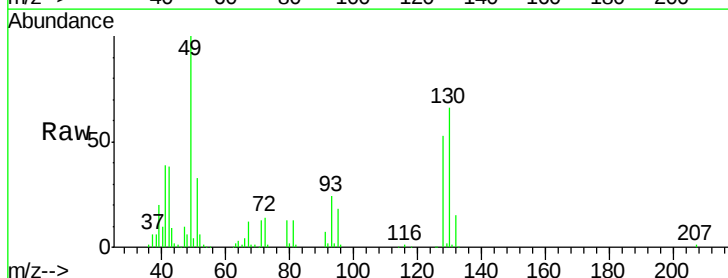
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



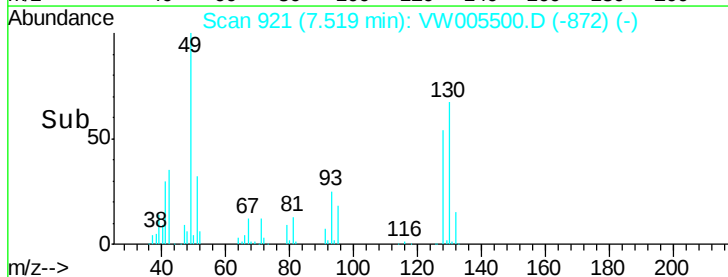
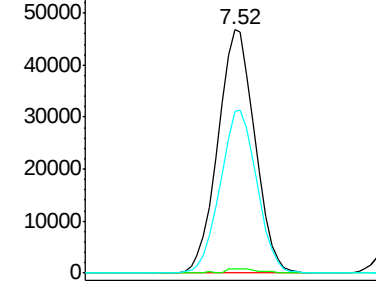
#28

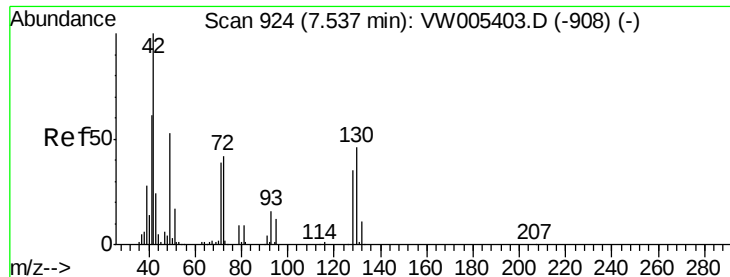
Bromochloromethane
Concen: 56.33 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117978		
129	1.6	0.0	1.0#	
130	66.2	61.4	92.2	



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 299.88 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005500.D

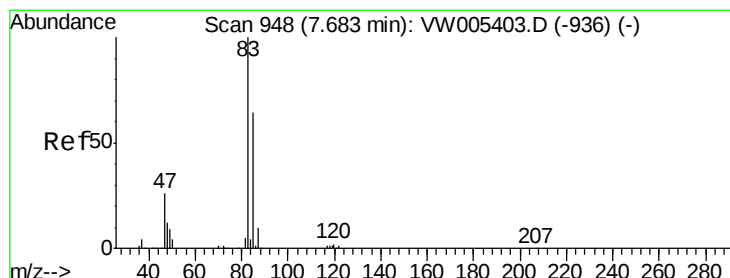
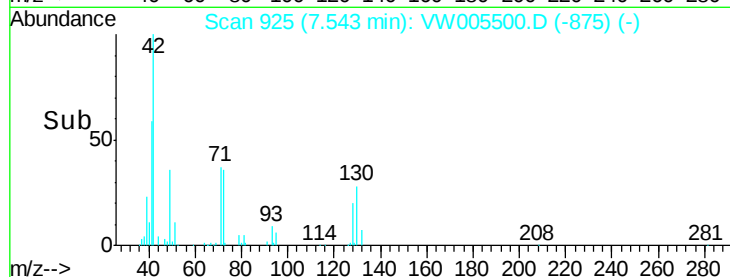
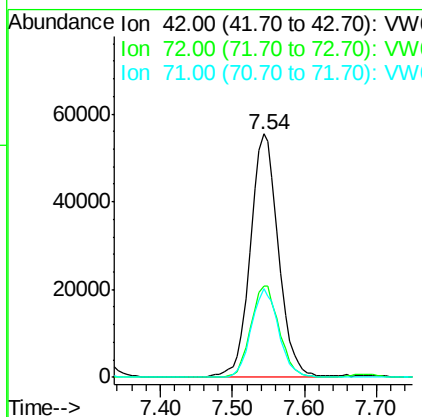
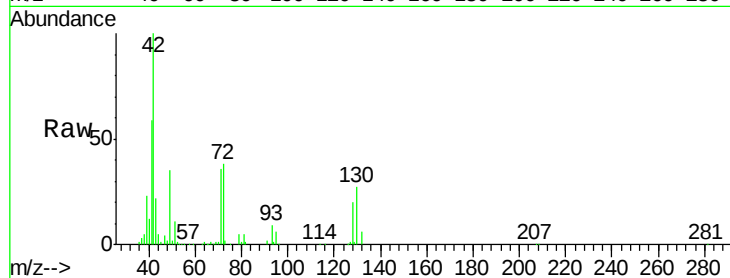
Acq: 19 Sep 2018 01:07

Tot Ion:	42	Resp:	149579
Ion	Ratio	Lower	Upper
42	100		
72	38.1	33.2	49.8
71	35.4	31.0	46.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



#30

Chloroform

Concen: 50.27 ug/l

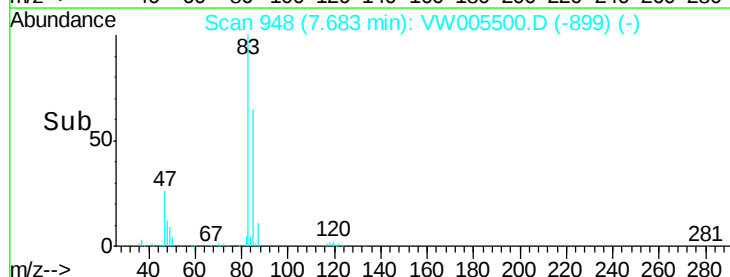
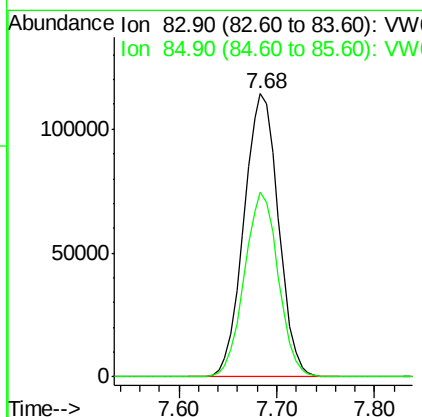
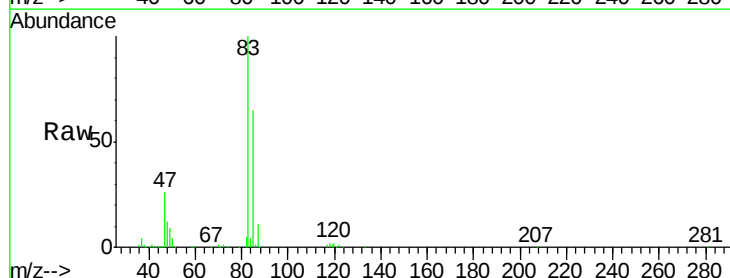
RT: 7.68 min Scan# 948

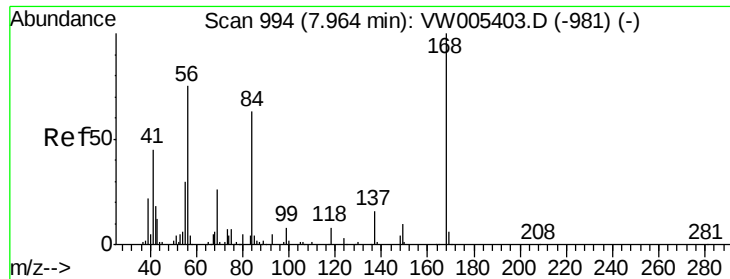
Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion:	83	Resp:	280327
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3





#31

Cyclohexane

Concen: 54.12 ug/l

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

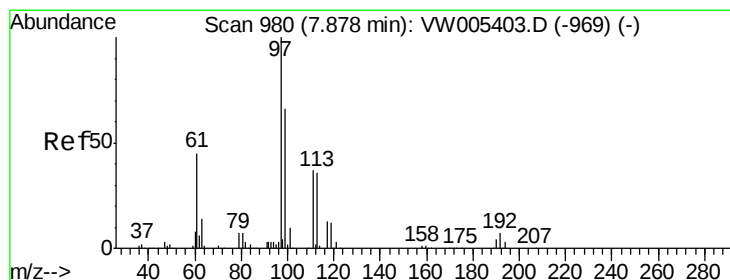
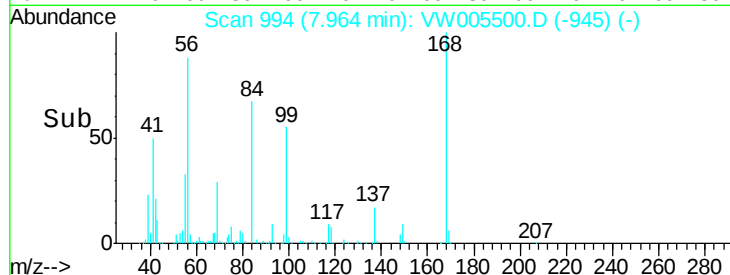
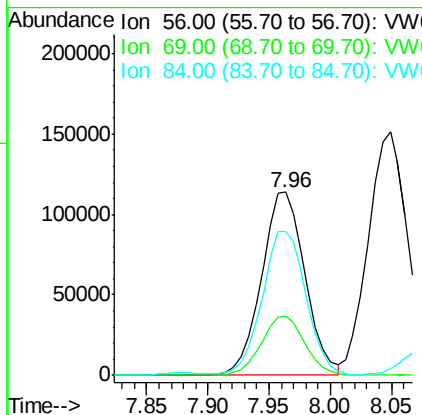
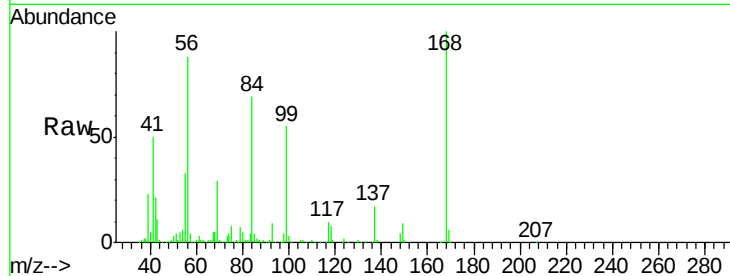
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	281150
Ion	Ratio	Lower	Upper
56	100		
69	32.6	27.2	40.8
84	77.3	66.7	100.1

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



#32

1,1,1-Trichloroethane

Concen: 48.79 ug/l

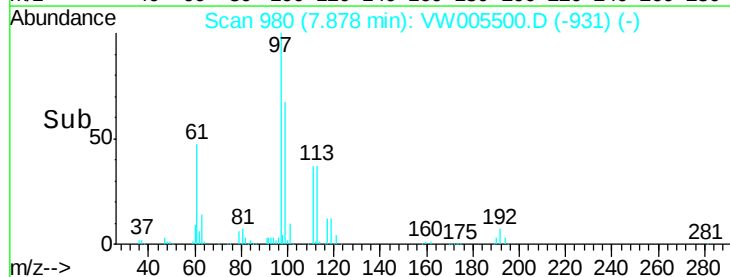
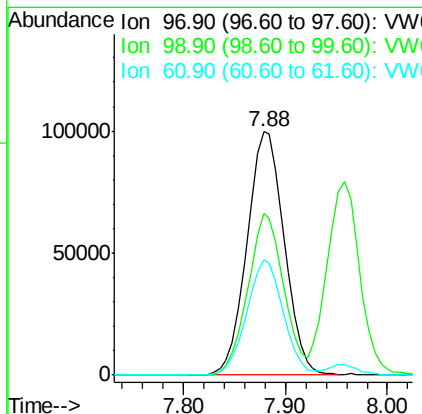
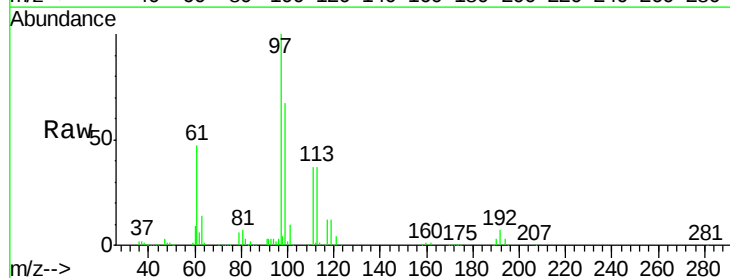
RT: 7.88 min Scan# 980

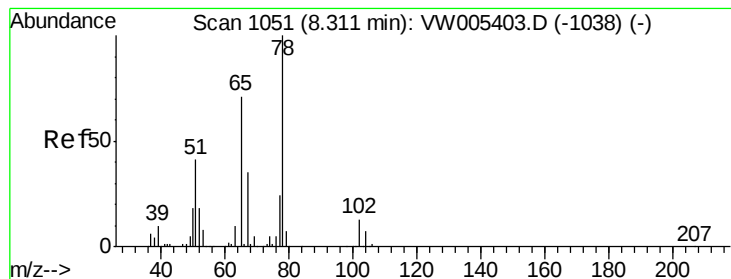
Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion:	97	Resp:	252976
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	46.4	35.8	53.6





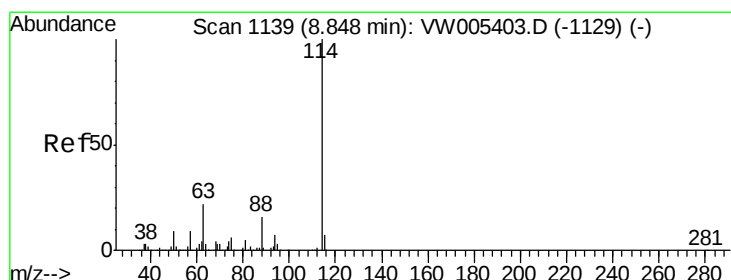
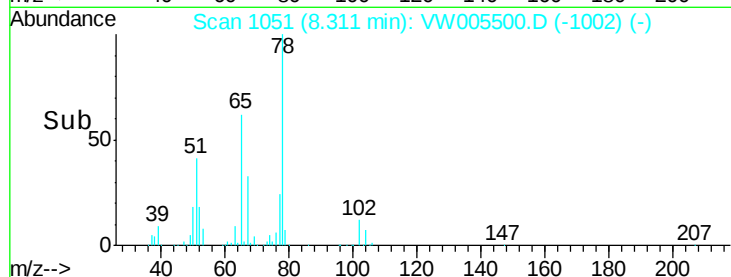
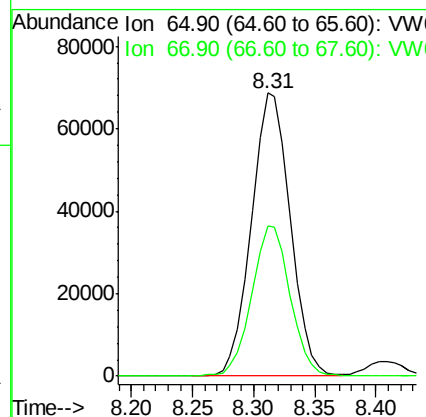
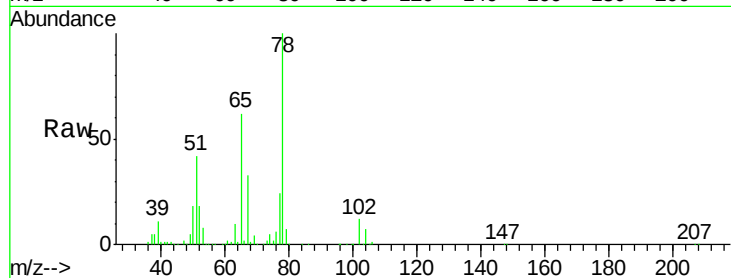
#33
 1,2-Dichloroethane-d4
 Concen: 46.71 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152020		
67	52.6	0.0	100.6	

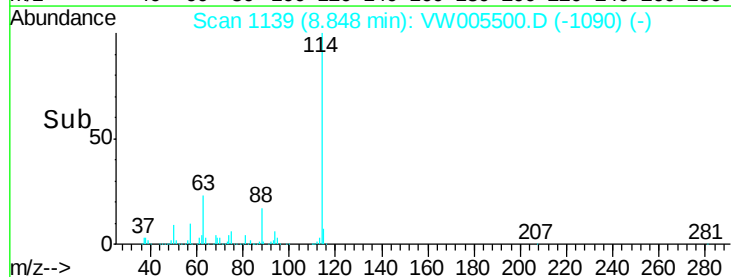
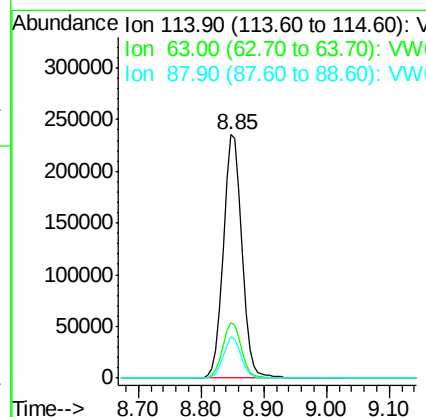
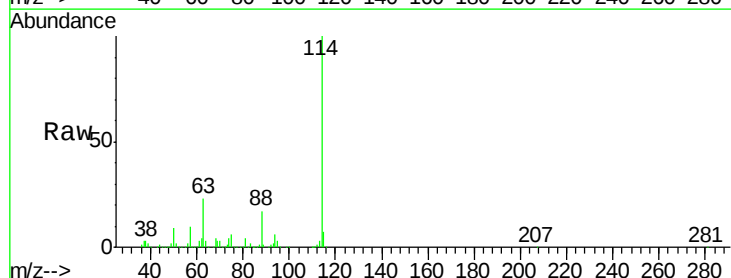
Manual Integrations
 APPROVED

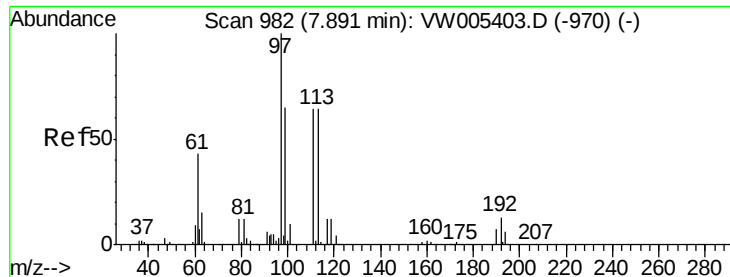
apatel
 9/19/2018 3:44:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	481697		
63	22.5	0.0	43.4	
88	16.8	0.0	31.8	





#35

Dibromofluoromethane

Concen: 47.52 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

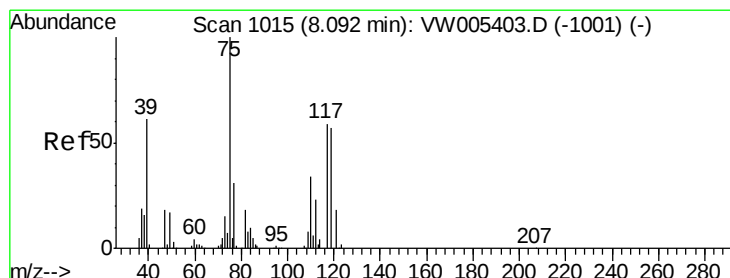
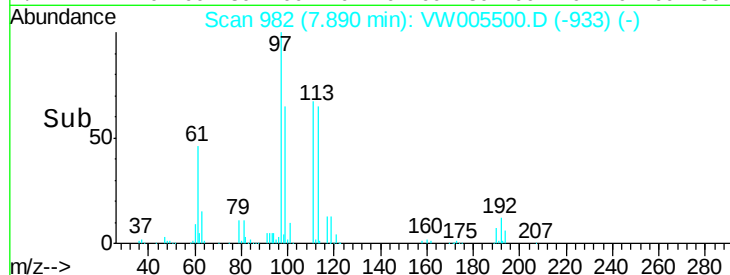
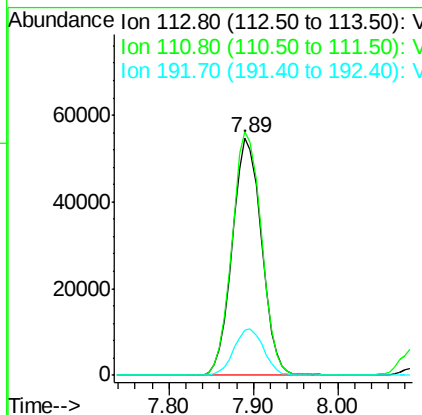
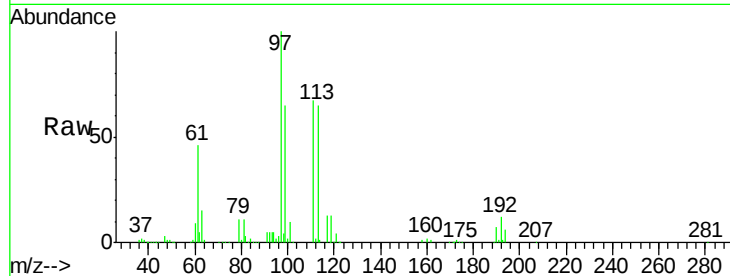
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	128340
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.3	123.5
192	19.8	16.5	24.7

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



#36

1,1-Dichloropropene

Concen: 50.44 ug/l

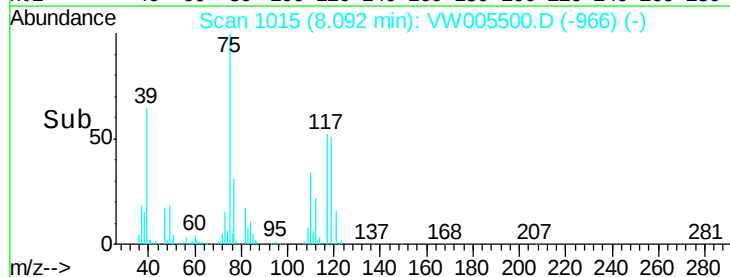
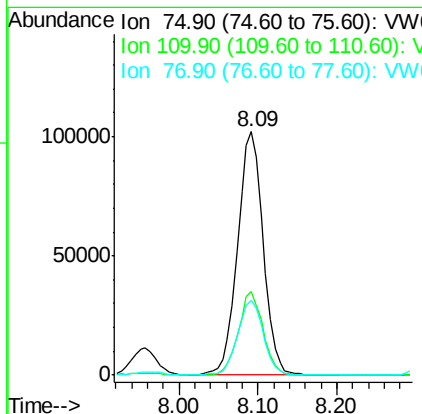
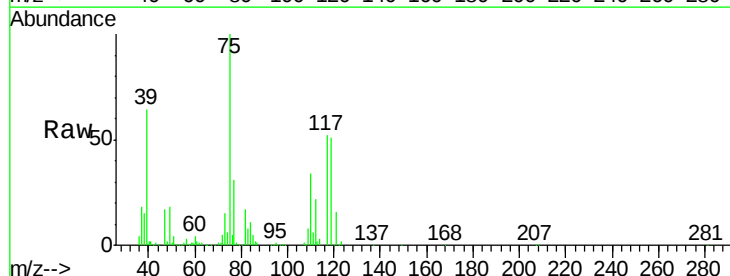
RT: 8.09 min Scan# 1015

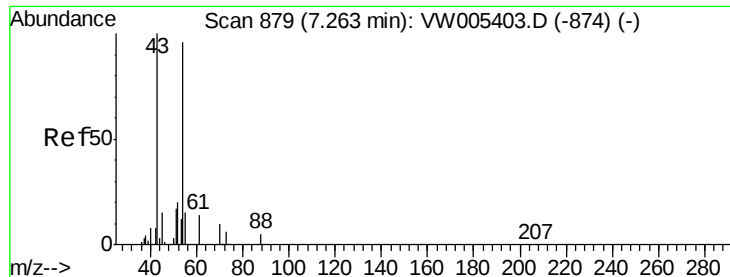
Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion:	75	Resp:	229947
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.8	50.4
77	31.2	24.2	36.4





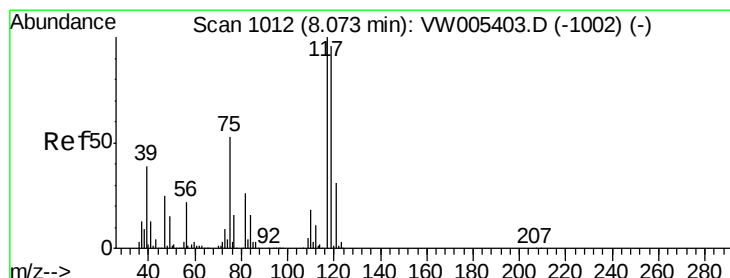
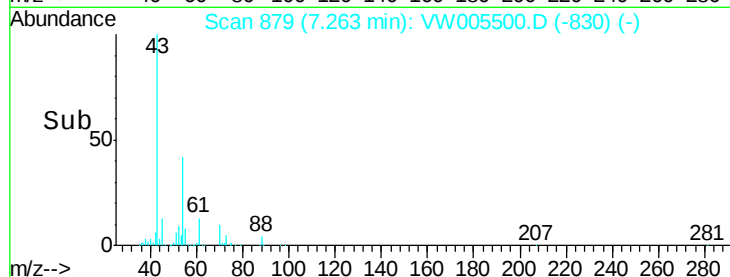
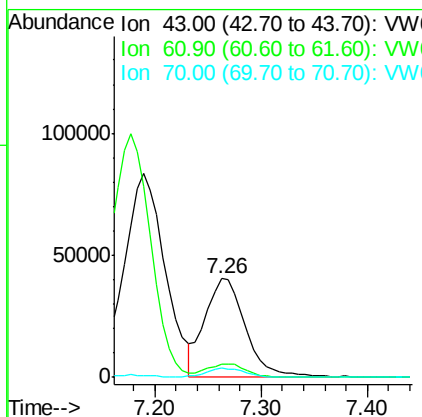
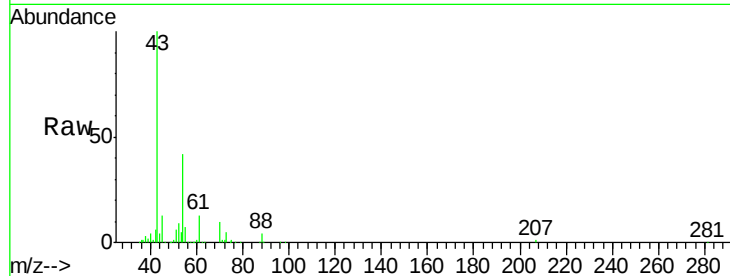
#37
Ethyl Acetate
Concen: 56.69 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	105098
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	9.0	8.2	12.4

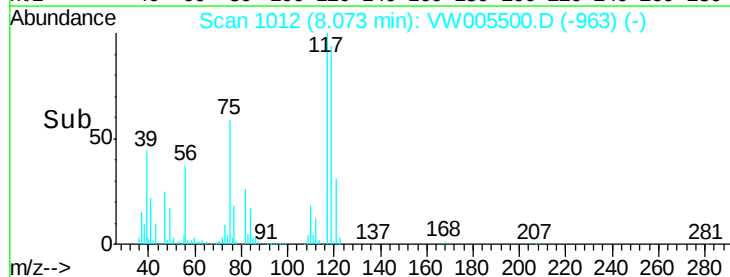
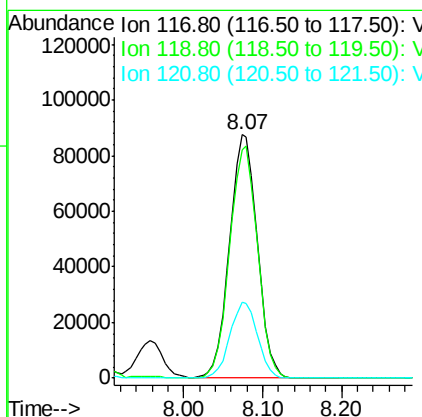
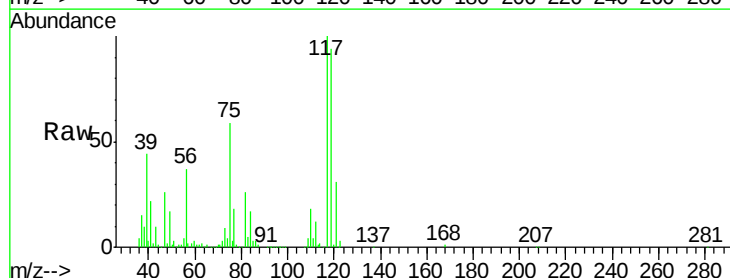
Manual Integrations
APPROVED

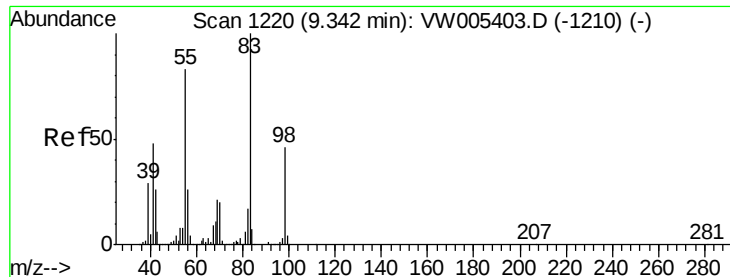
apatel
9/19/2018 3:44:50 PM



#38
Carbon Tetrachloride
Concen: 45.24 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion:	117	Resp:	214923
Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.8	115.2
121	31.2	24.7	37.1





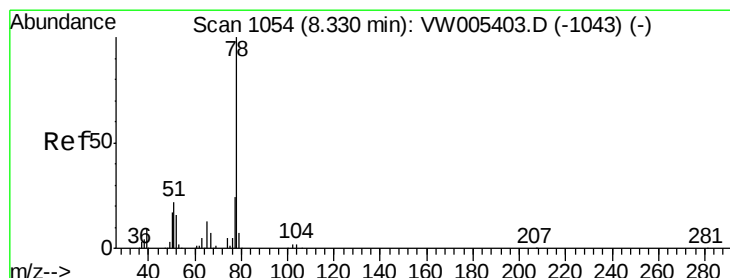
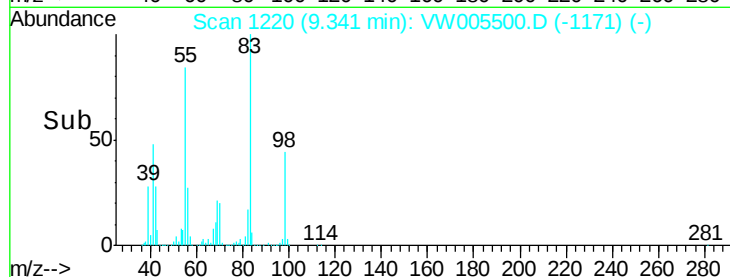
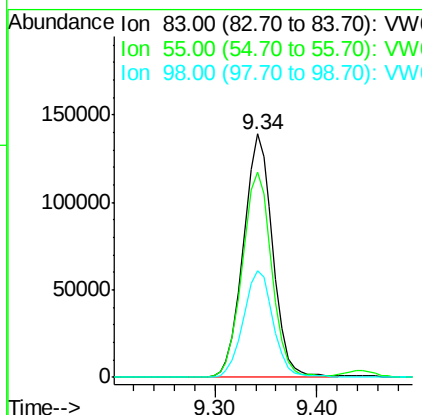
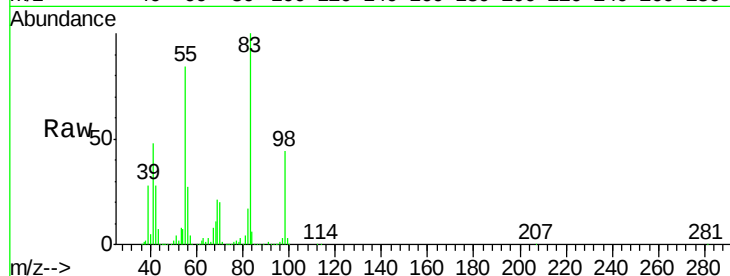
#39
Methvlcvclohexane
Concen: 52.51 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	278159		
55	84.1		66.1	99.1
98	44.1		36.7	55.1

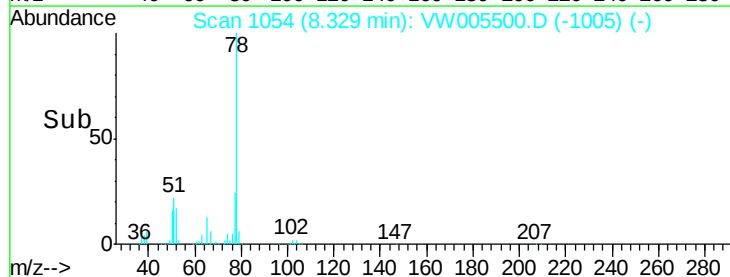
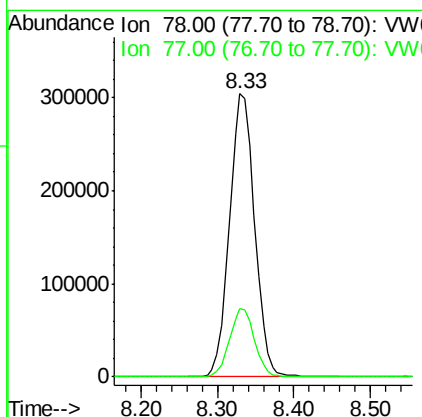
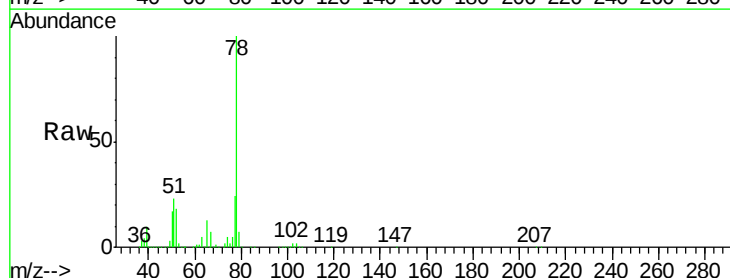
Manual Integrations
APPROVED

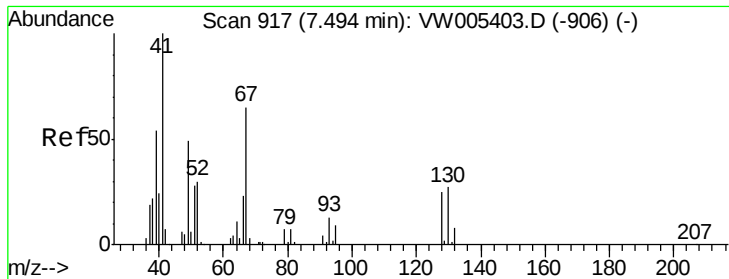
apatel
9/19/2018 3:44:50 PM



#40
Benzene
Concen: 52.27 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	690316		
77	24.0		19.3	28.9





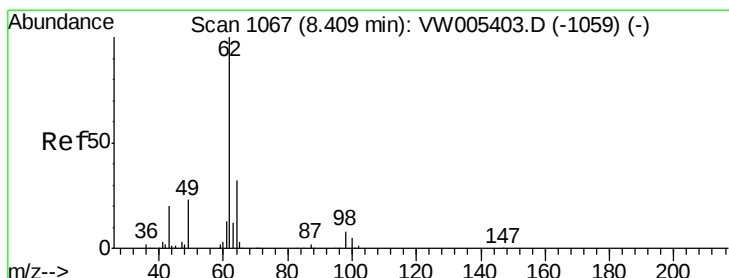
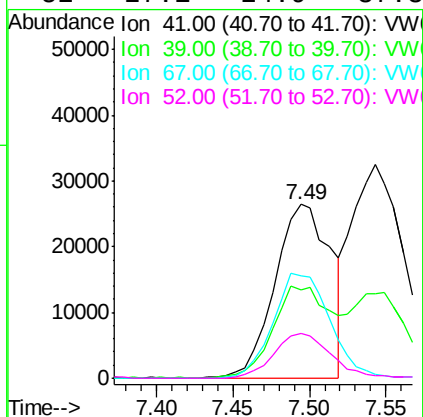
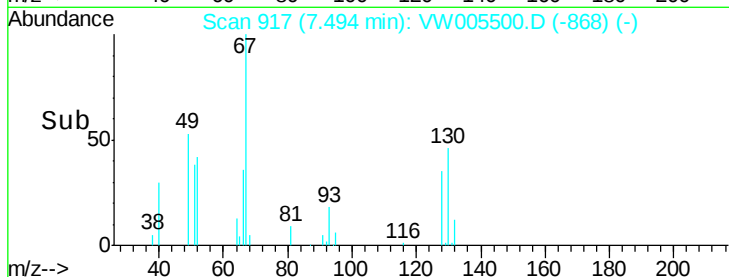
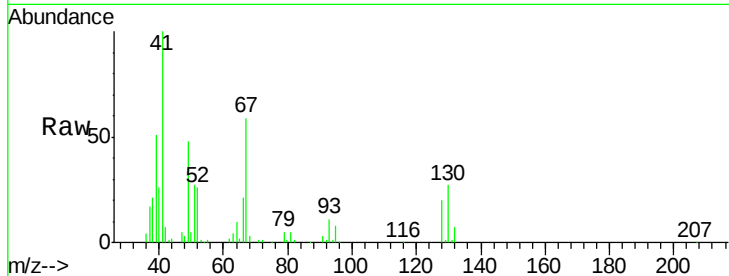
#41
Methacrylonitrile
Concen: 59.84 ug/l
RT: 7.49 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	62.0	53.6	80.4
52	27.1	24.9	37.3

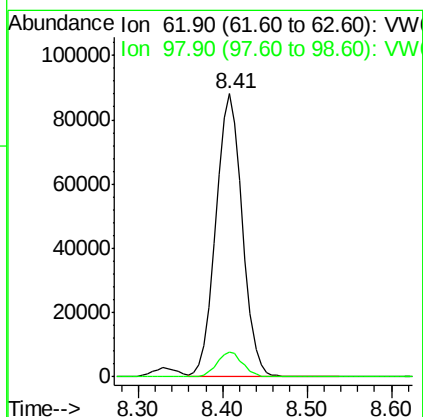
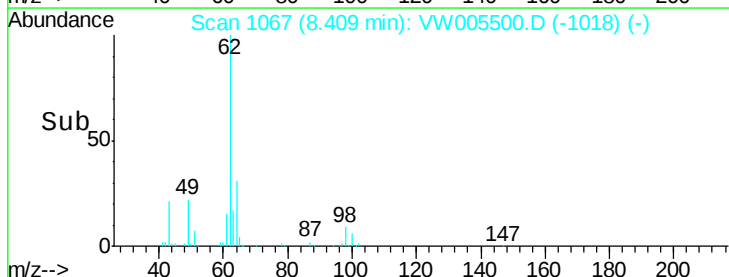
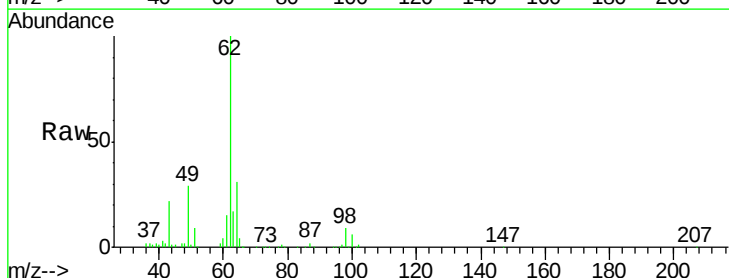
Manual Integrations
APPROVED

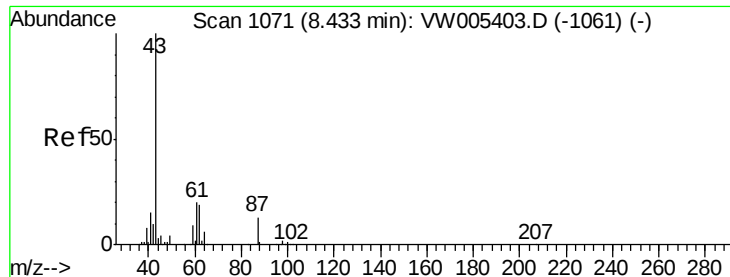
apatel
9/19/2018 3:44:50 PM



#42
1,2-Dichloroethane
Concen: 46.20 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 56.62 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

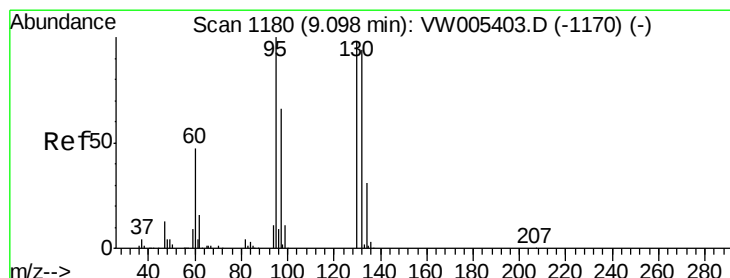
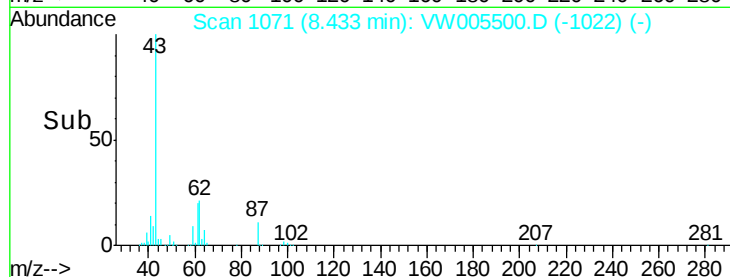
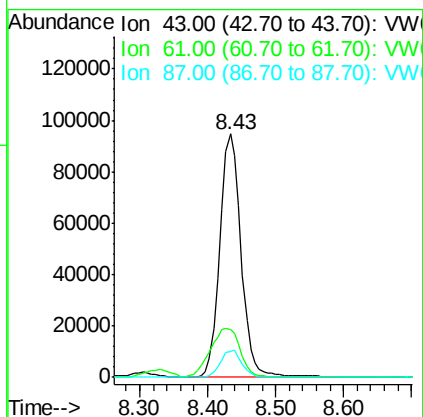
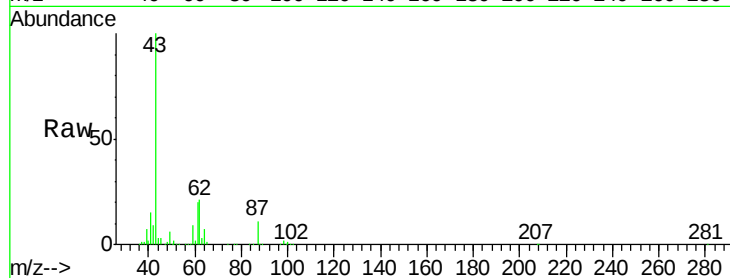
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	204865
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.8	35.6
87	11.4	10.1	15.1

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



#44

Trichloroethene

Concen: 48.61 ug/l

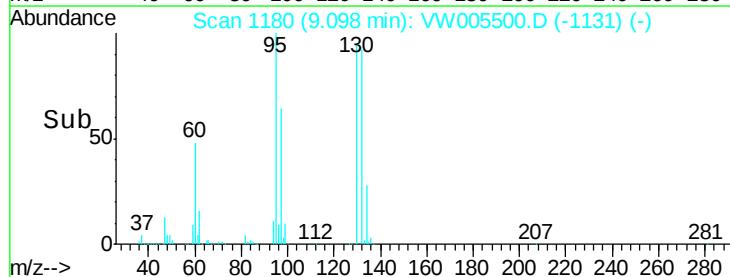
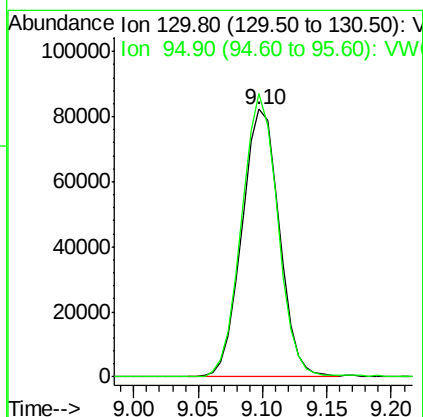
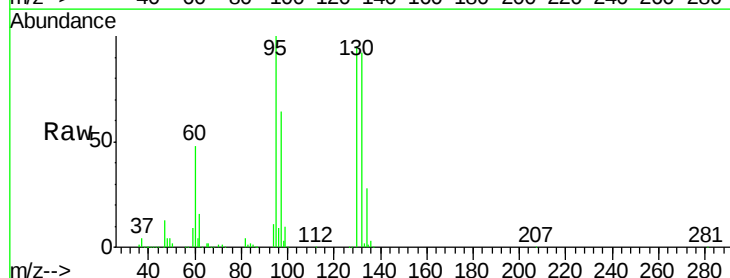
RT: 9.10 min Scan# 1180

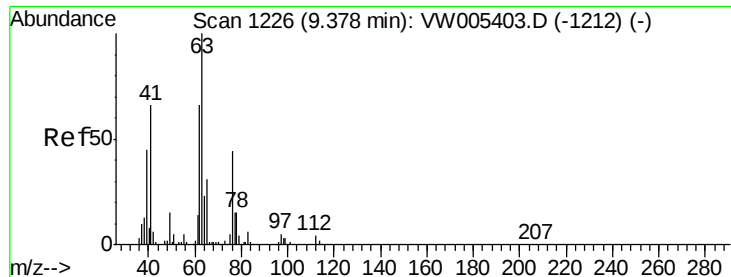
Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion:	130	Resp:	165206
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	204.6





#45

1,2-Dichloropropane

Concen: 55.56 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 175285

Ion Ratio Lower Upper

63 100

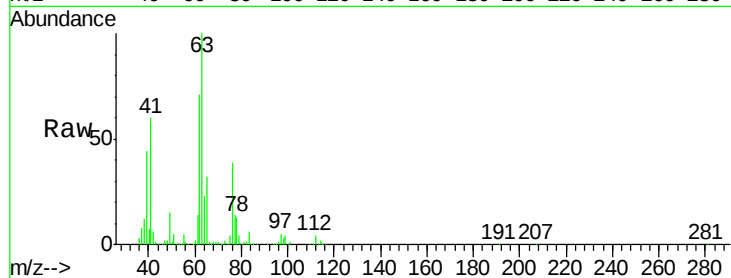
65 31.8 25.0 37.6

Manual Integrations

APPROVED

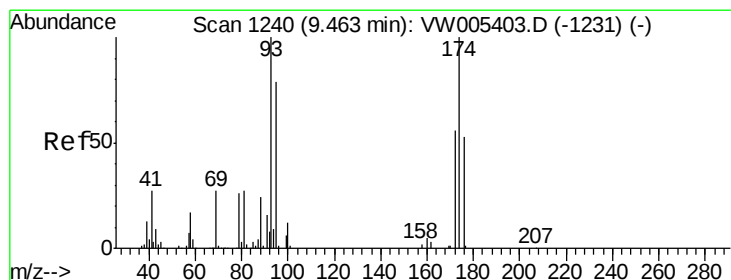
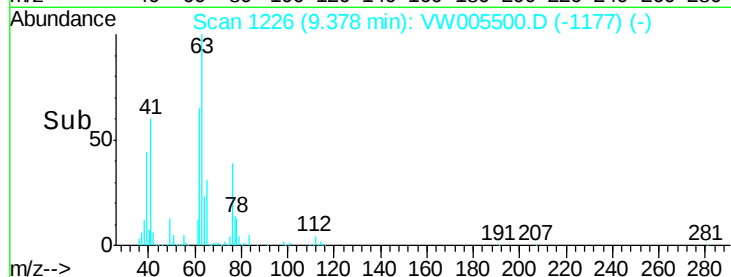
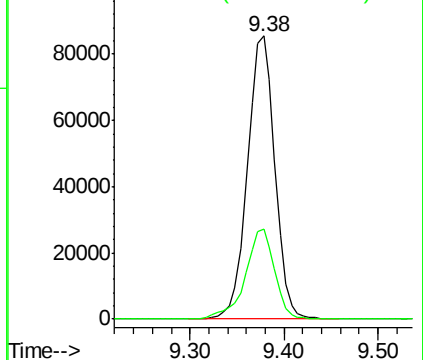
apatel

9/19/2018 3:44:50 PM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 50.26 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

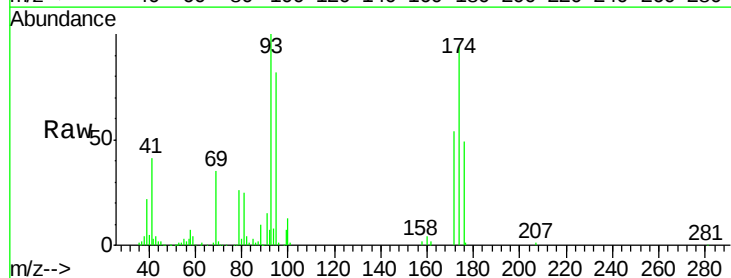
Tgt Ion: 93 Resp: 78007

Ion Ratio Lower Upper

93 100

95 82.4 65.4 98.0

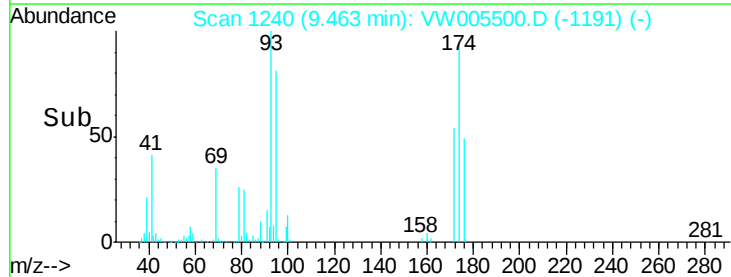
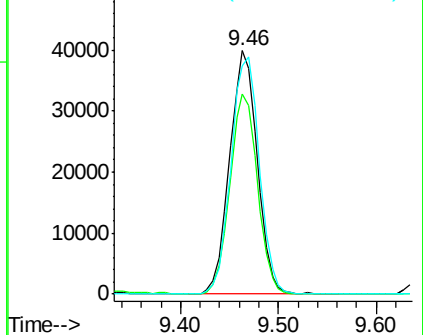
174 100.1 83.4 125.2

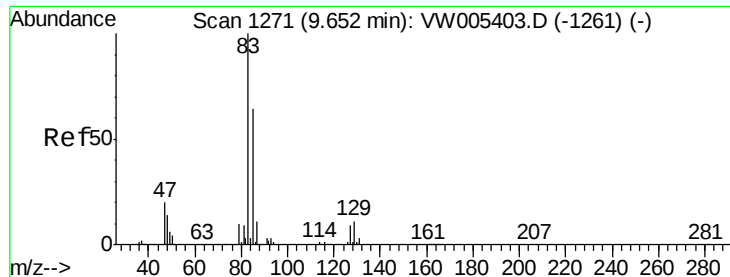


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.66 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

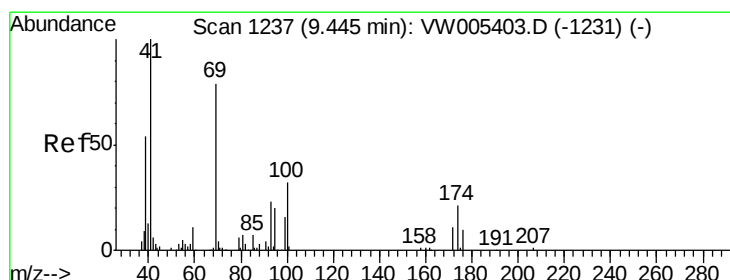
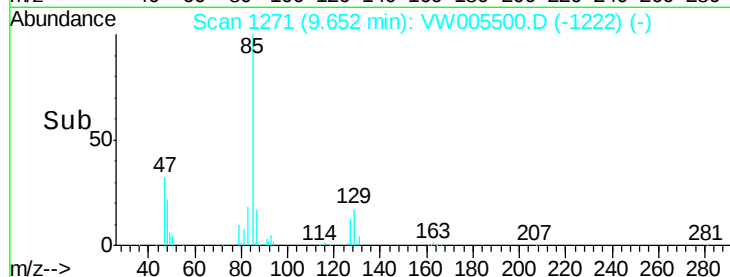
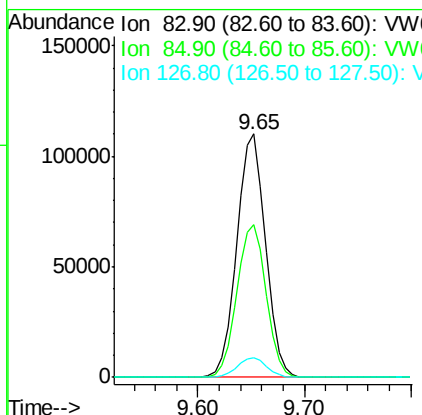
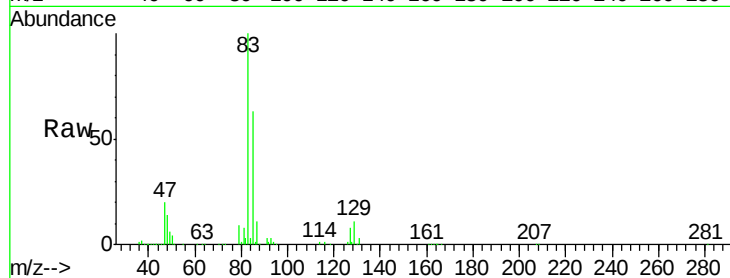
VSTDCCC050

Tot Ion:	83	Resp:	208826
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3
127	8.3	7.0	10.4

Manual Integrations
APPROVED

apatel

9/19/2018 3:44:50 PM



#48

Methyl methacrylate

Concen: 57.18 ug/l

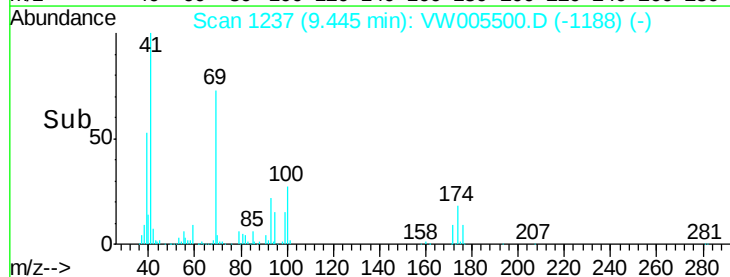
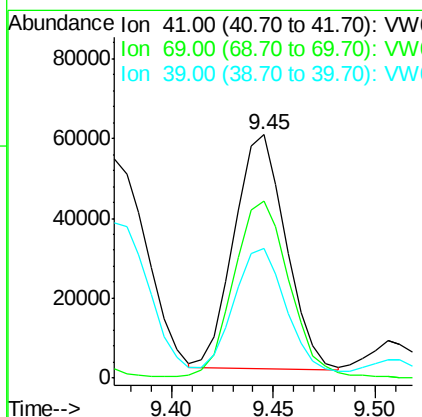
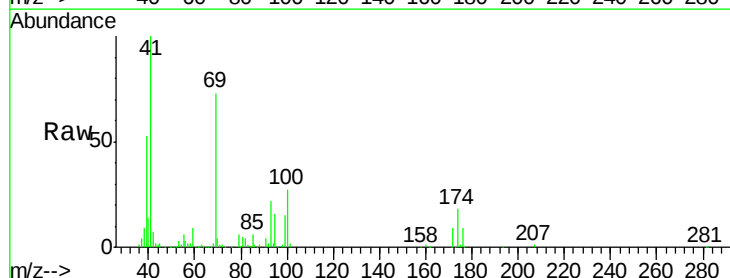
RT: 9.45 min Scan# 1237

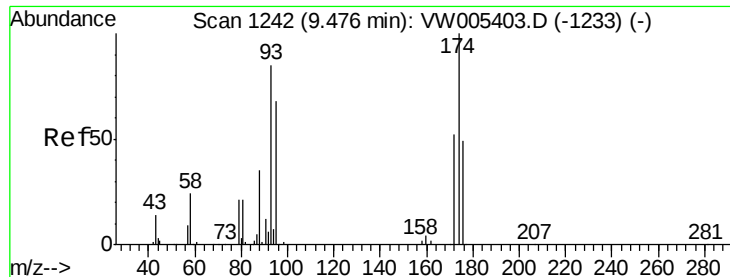
Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion:	41	Resp:	103237
Ion	Ratio	Lower	Upper
41	100		
69	81.4	67.5	101.3
39	52.3	45.5	68.3





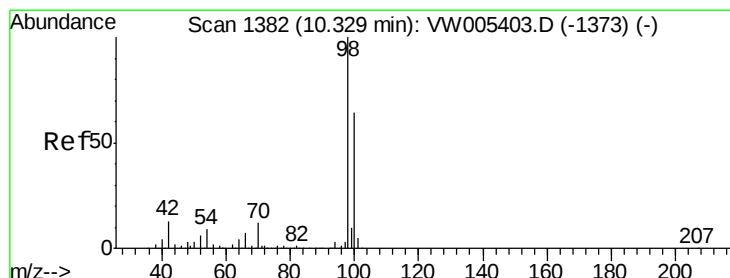
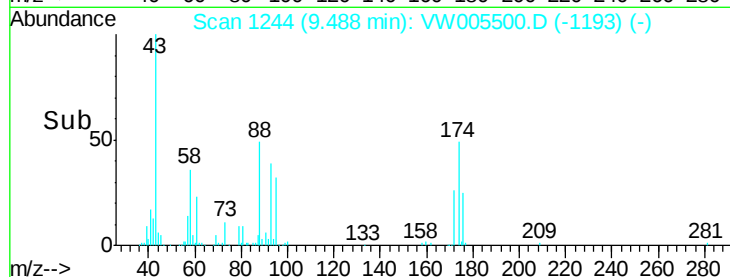
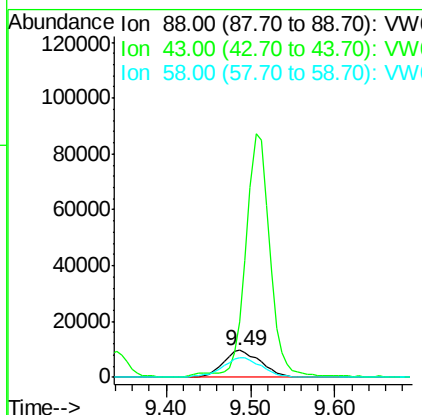
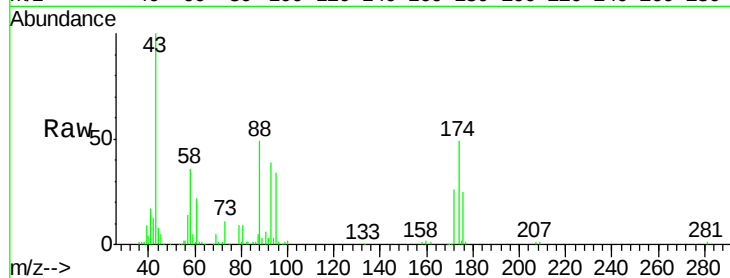
#49
1,4-Dioxane
Concen: 1135.40 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	576.1	0.0	0.0#
58	77.5	62.4	93.6

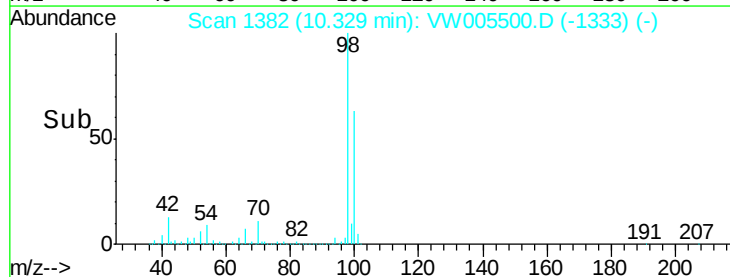
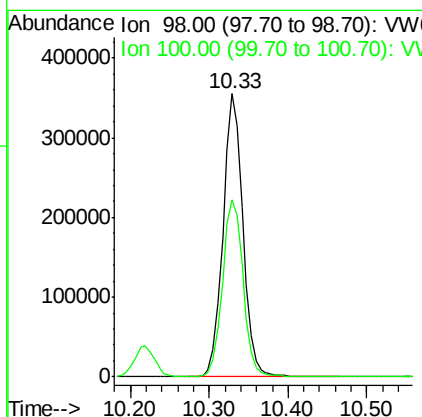
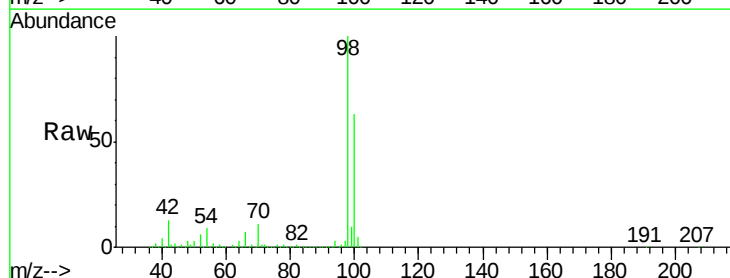
Manual Integrations
APPROVED

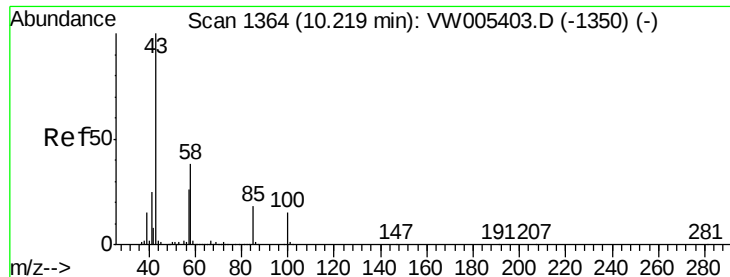
apatel
9/19/2018 3:44:50 PM



#50
Toluene-d8
Concen: 50.27 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 295.89 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 551091

Ion Ratio Lower Upper

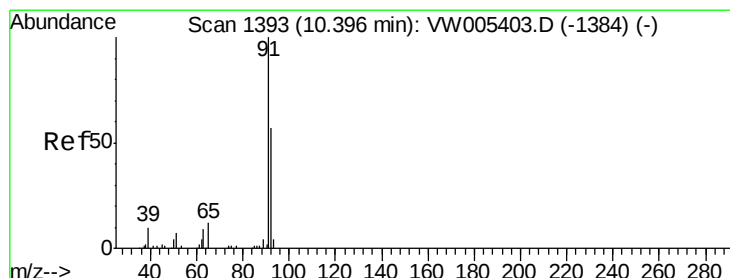
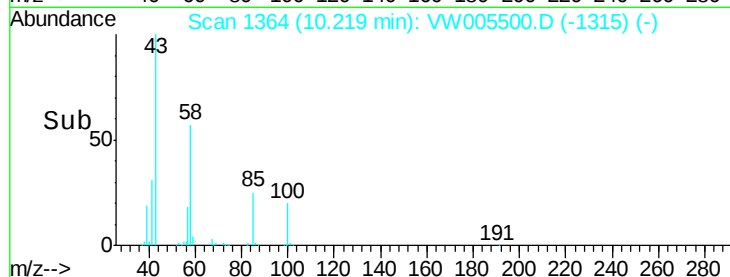
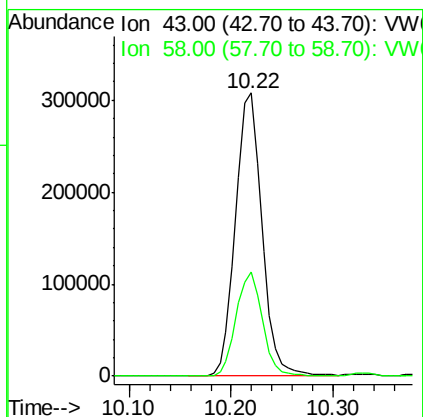
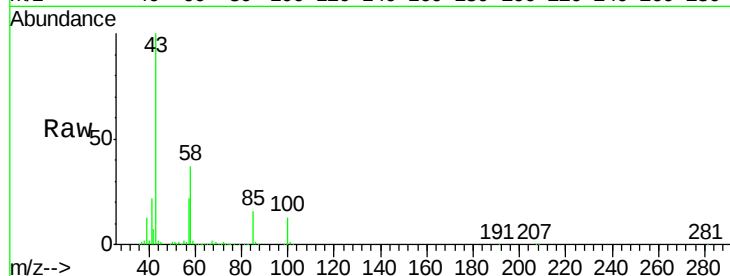
43 100

58 36.6 29.9 44.9

Manual Integrations
APPROVED

apatel

9/19/2018 3:44:50 PM



#52

Toluene

Concen: 52.13 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005500.D

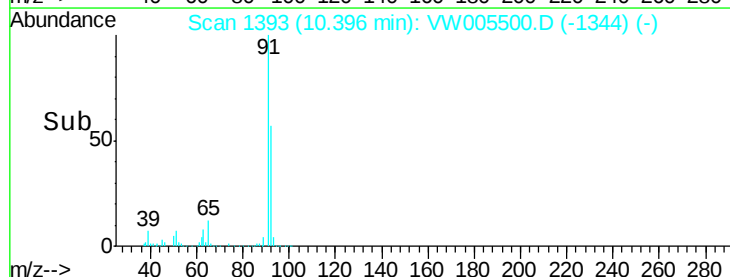
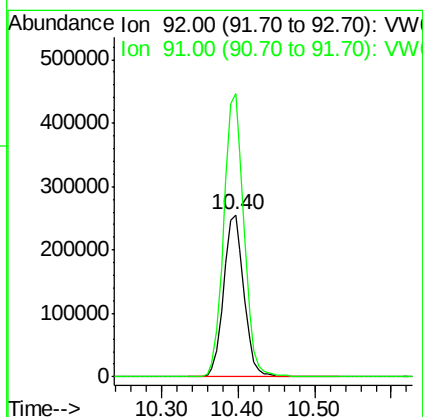
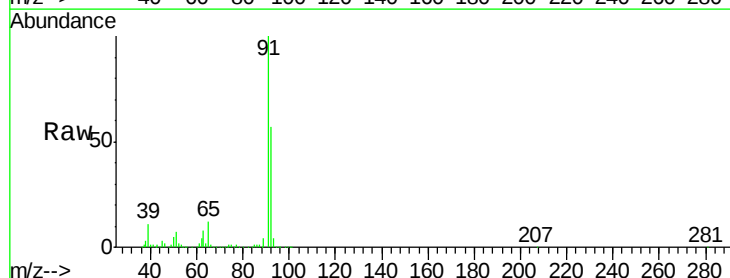
Acq: 19 Sep 2018 01:07

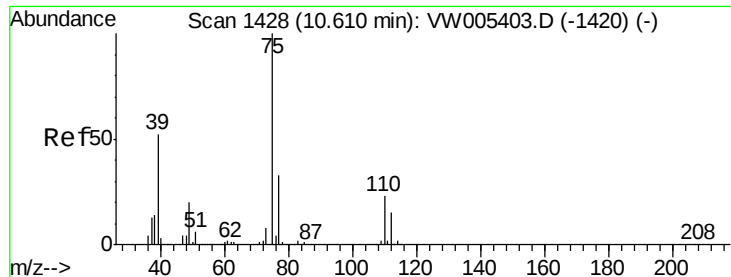
Tgt Ion: 92 Resp: 466211

Ion Ratio Lower Upper

92 100

91 174.0 139.1 208.7





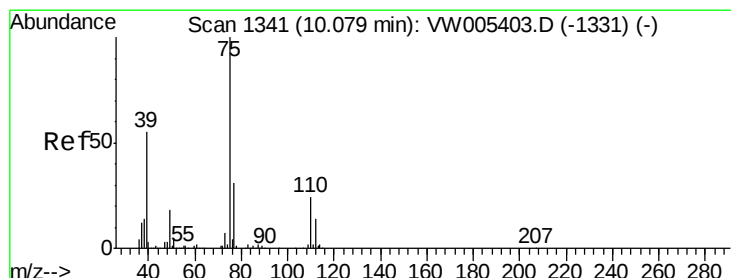
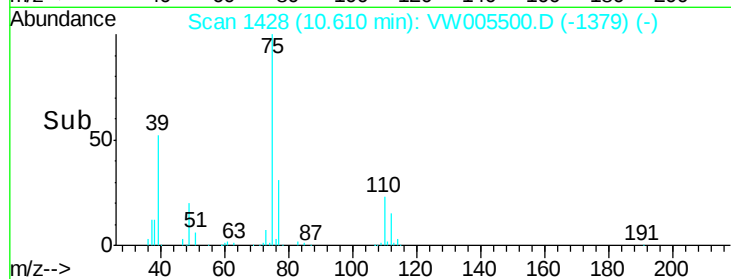
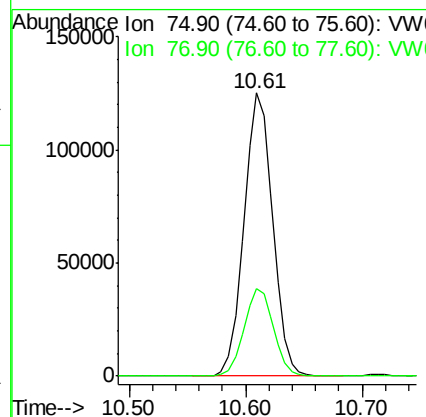
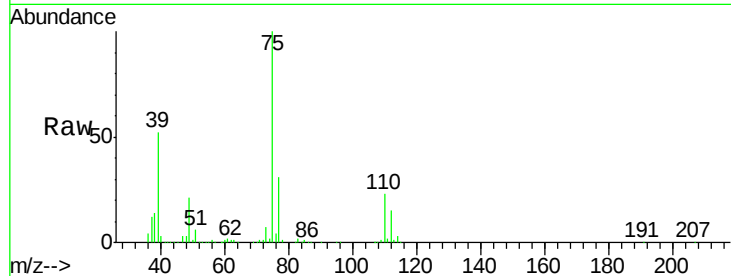
#53
 t-1,3-Dichloropropene
 Concen: 50.94 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 214369
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.5 39.7

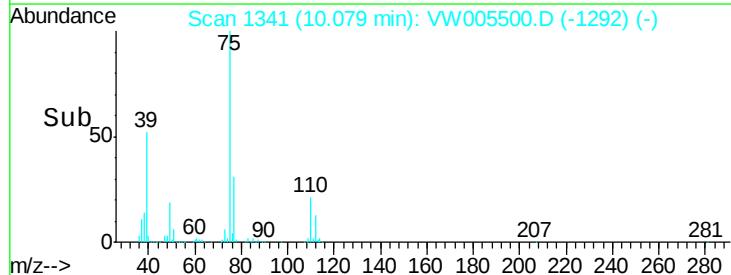
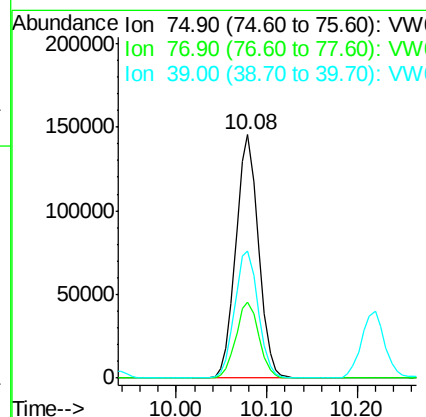
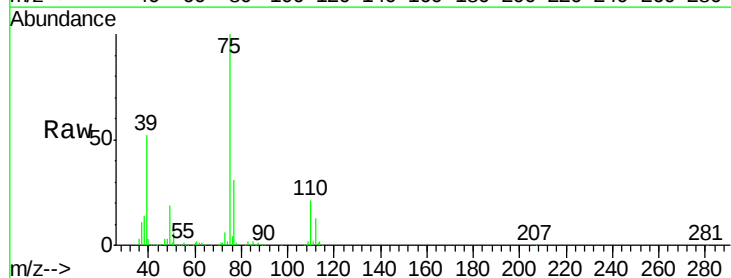
Manual Integrations
 APPROVED

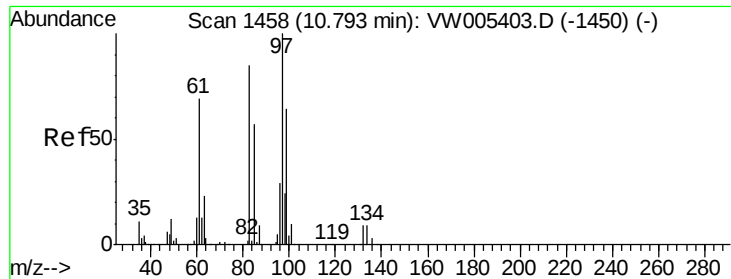
apatel
 9/19/2018 3:44:50 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.98 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion: 75 Resp: 252467
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.4
 39 51.9 44.2 66.2





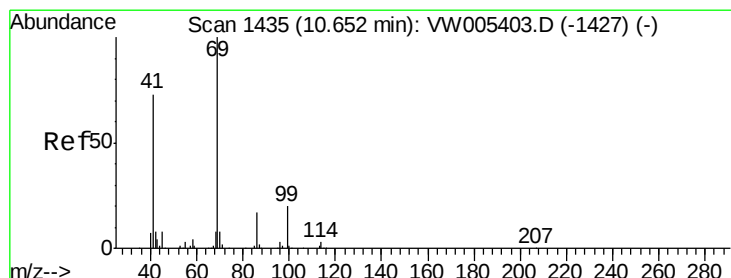
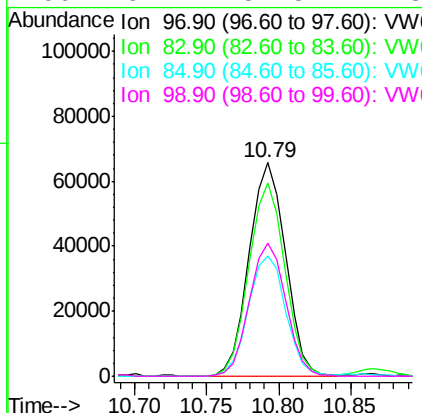
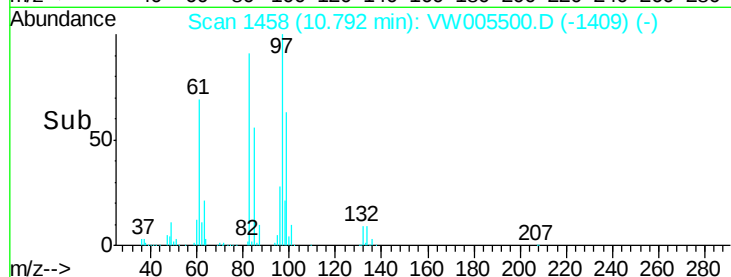
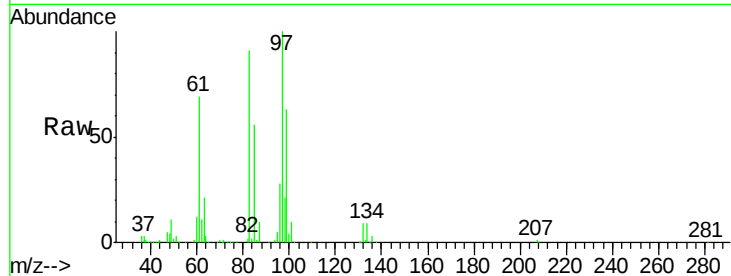
#55
 1,1,2-Trichloroethane
 Concen: 49.98 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	115293
Ion	Ratio	Lower	Upper
97	100		
83	90.8	67.8	101.8
85	56.4	45.4	68.0
99	62.4	51.5	77.3

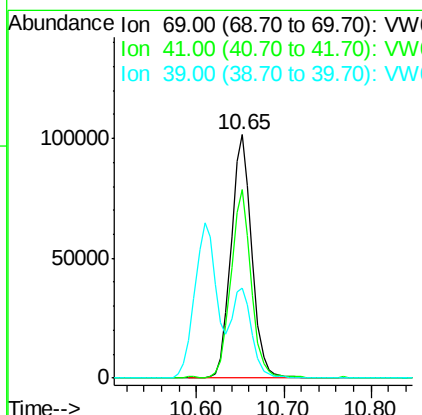
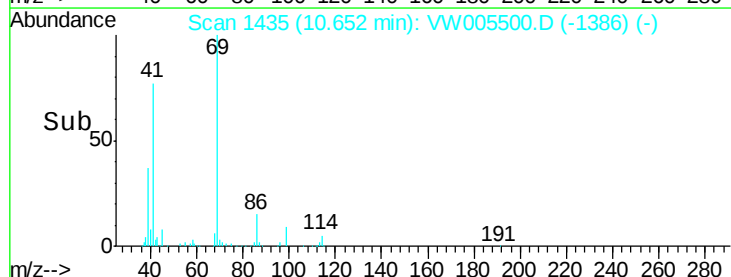
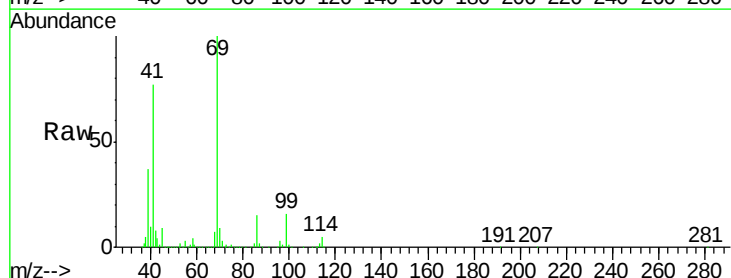
Manual Integrations
 APPROVED

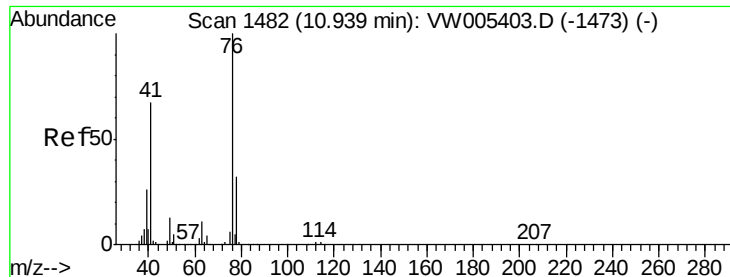
apatel
 9/19/2018 3:44:50 PM



#56
 Ethyl methacrylate
 Concen: 57.58 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion:	69	Resp:	168123
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.3	88.9
39	34.9	30.2	45.4





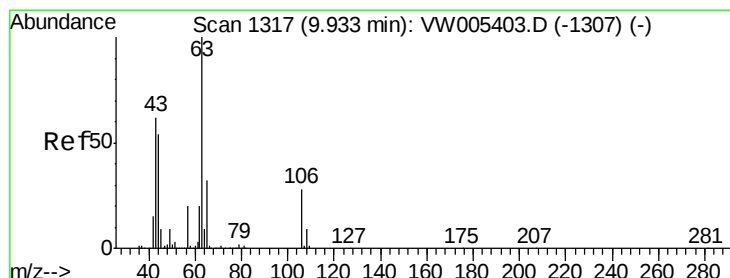
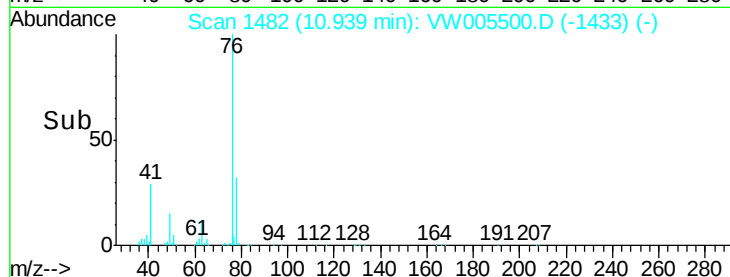
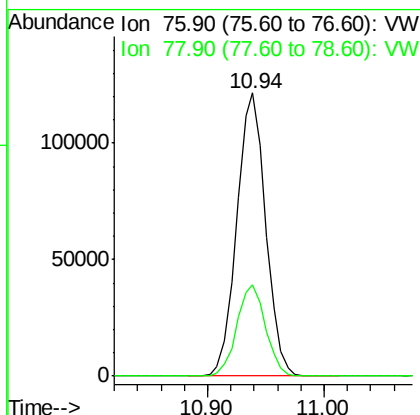
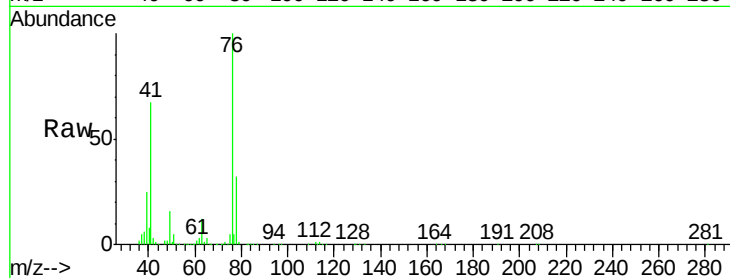
#57
 1,3-Dichloropropane
 Concen: 52.71 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

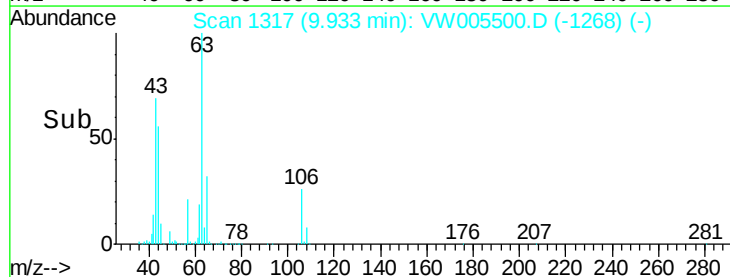
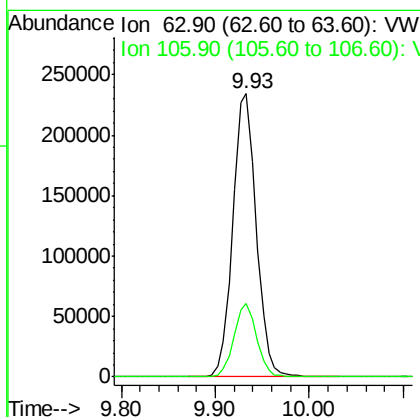
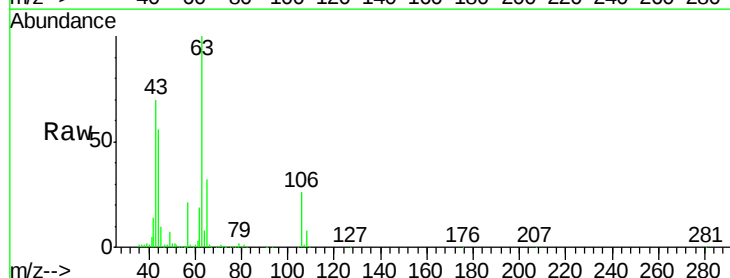
Manual Integrations
 APPROVED

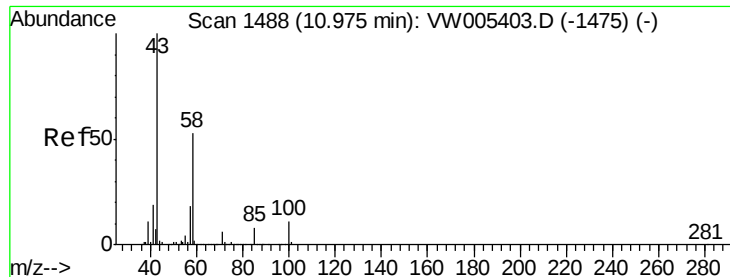
apatel
 9/19/2018 3:44:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 306.07 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	22.0	33.0





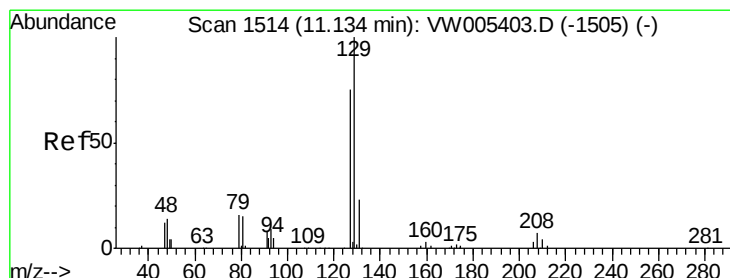
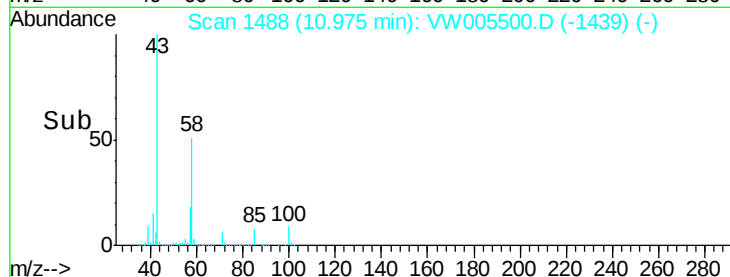
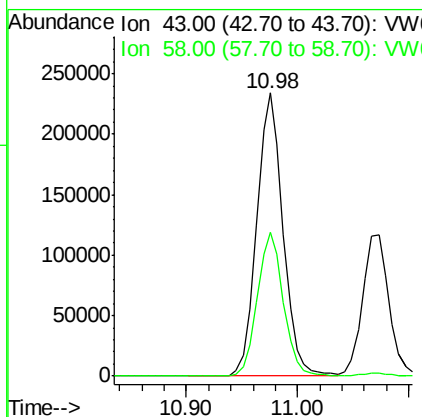
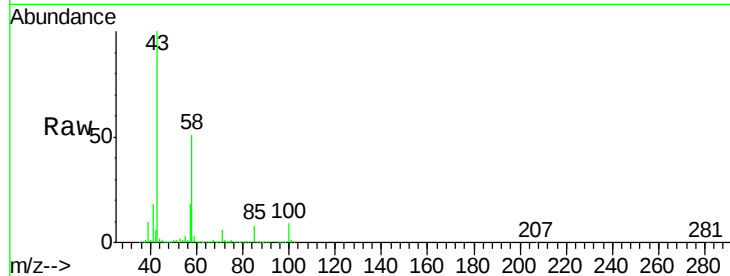
#59
2-Hexanone
Concen: 303.03 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 384450
Ion Ratio Lower Upper
43 100
58 50.5 25.5 76.5

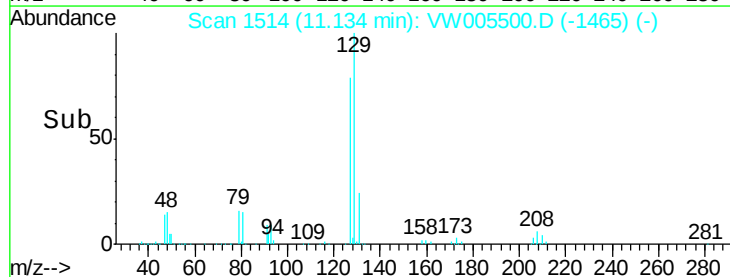
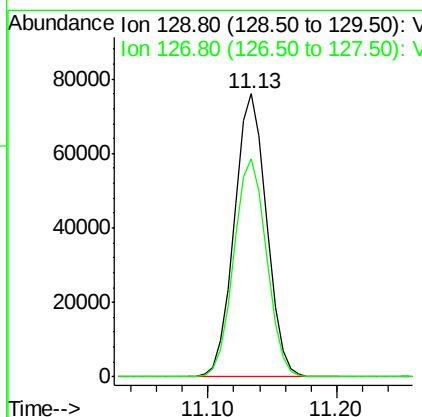
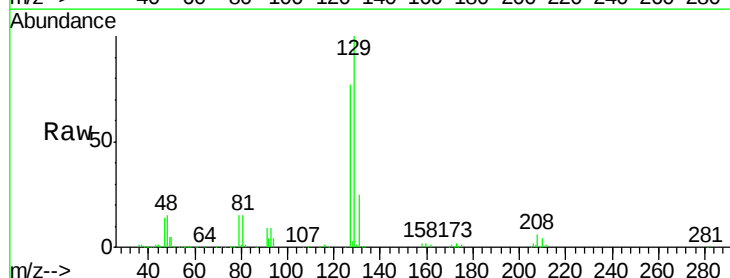
Manual Integrations
APPROVED

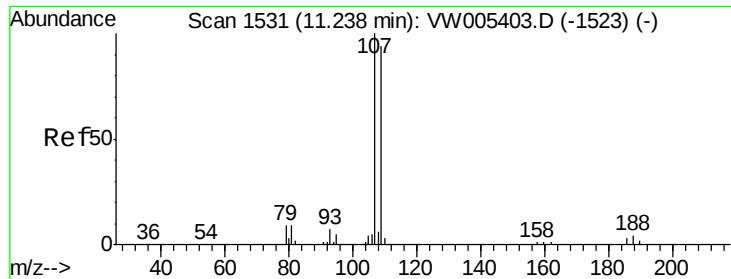
apatel
9/19/2018 3:44:50 PM



#60
Dibromochloromethane
Concen: 47.55 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion: 129 Resp: 131962
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3





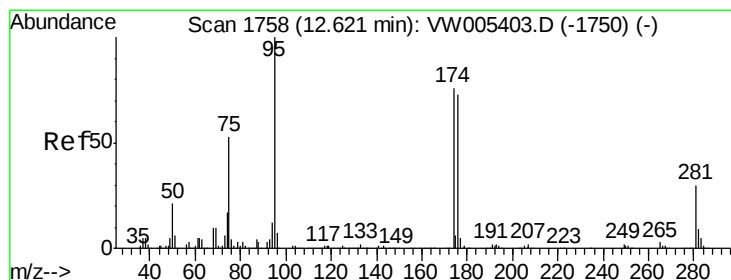
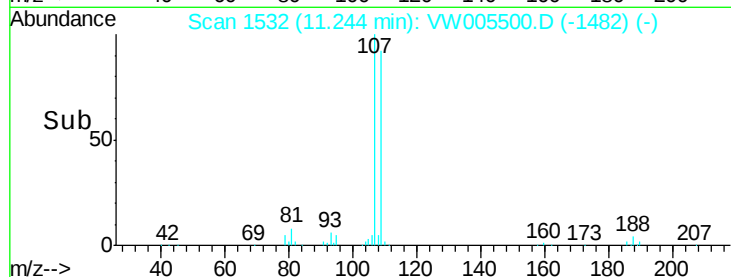
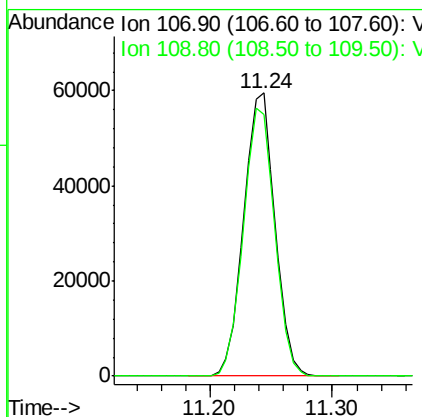
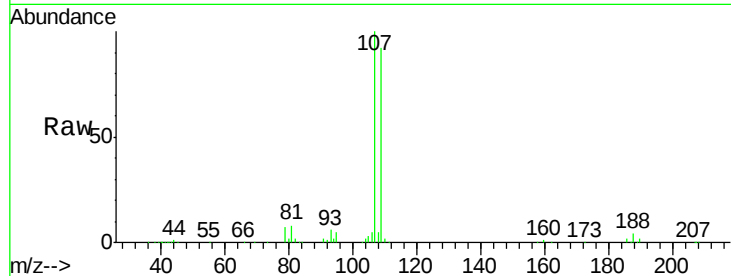
#61
 1,2-Dibromoethane
 Concen: 51.22 ug/l
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

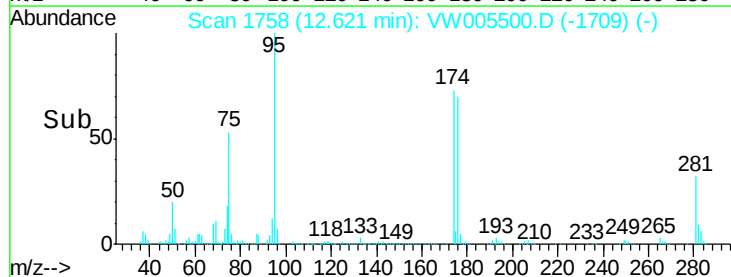
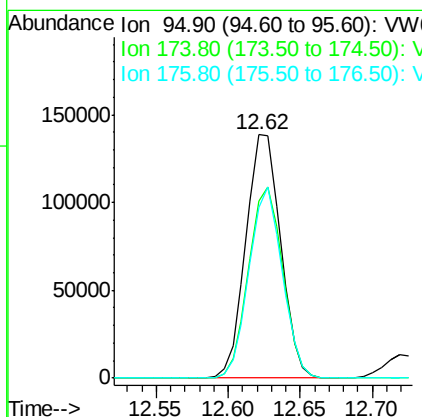
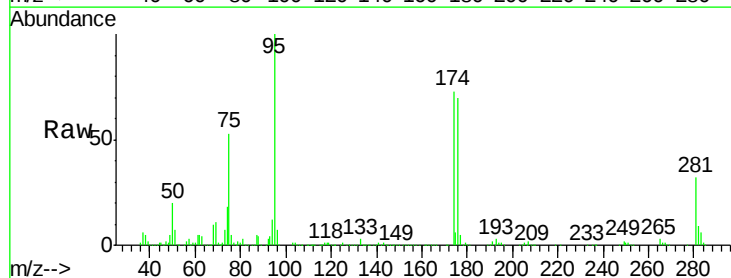
Manual Integrations
 APPROVED

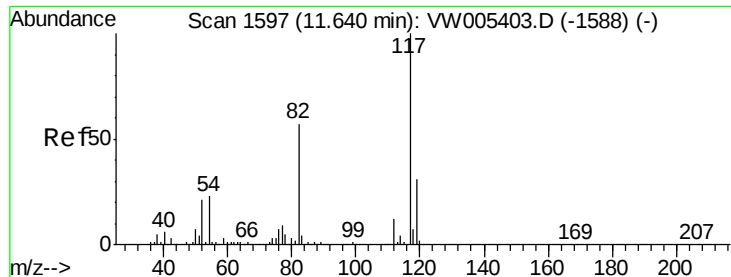
apatel
 9/19/2018 3:44:50 PM



#62
 4-Bromofluorobenzene
 Concen: 51.14 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	161.2
176	74.7	0.0	156.6





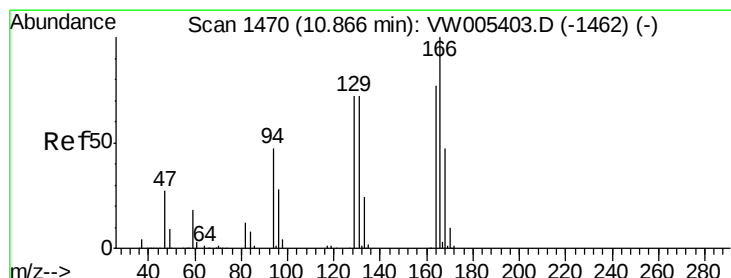
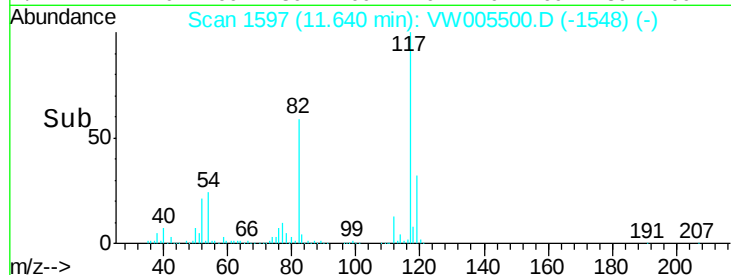
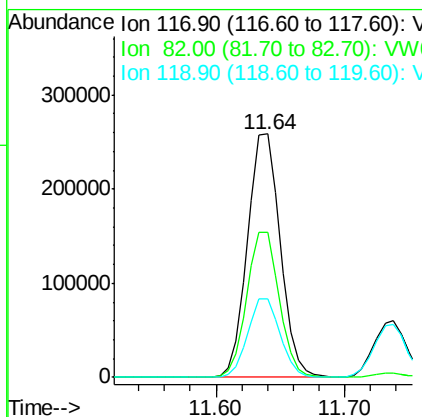
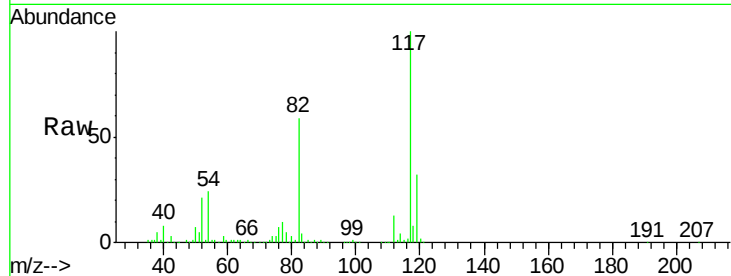
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	454833		
82	59.5		45.9	68.9
119	32.4		24.8	37.2

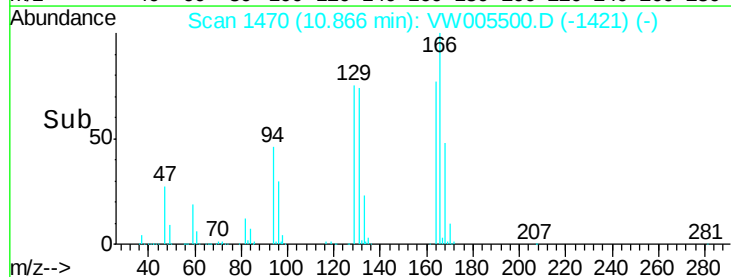
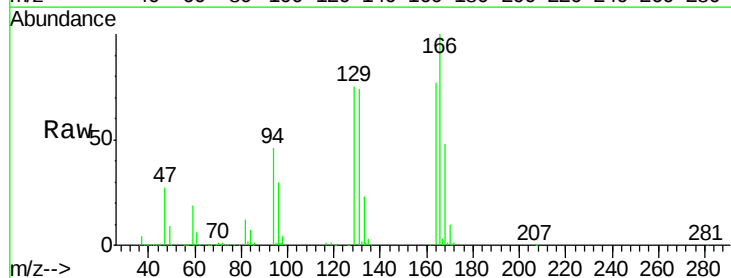
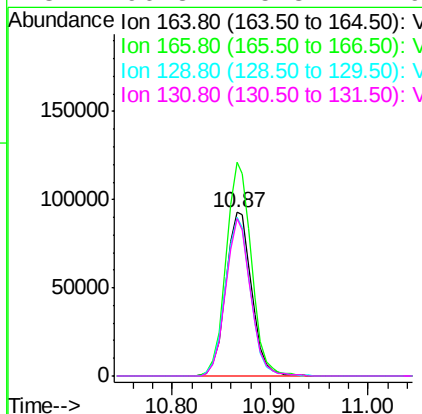
Manual Integrations
APPROVED

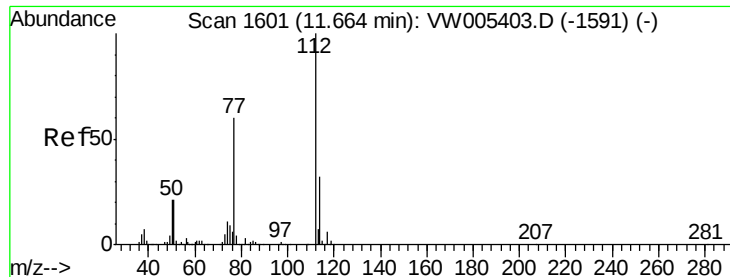
apatel
9/19/2018 3:44:50 PM



#64
Tetrachloroethene
Concen: 50.36 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	169278		
166	130.5		104.0	156.0
129	97.2		74.9	112.3
131	96.3		75.3	112.9





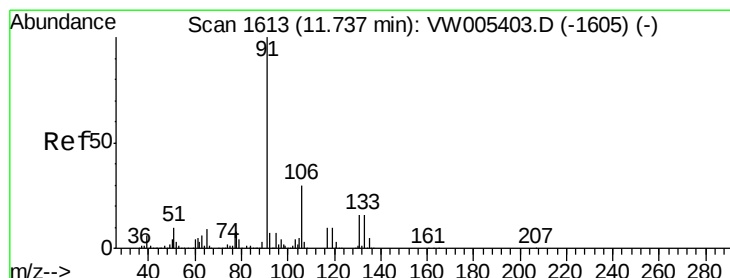
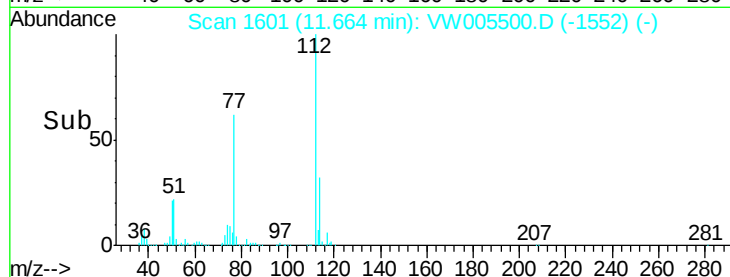
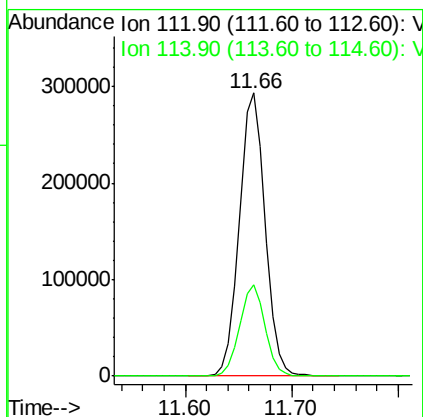
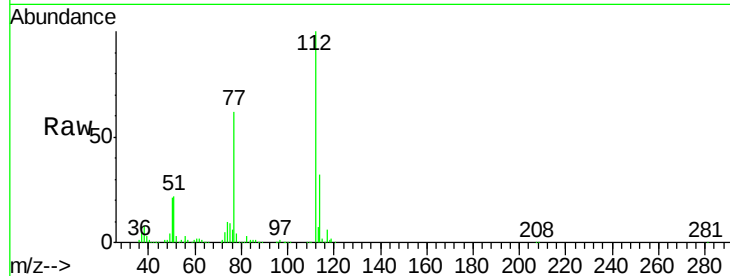
#65
Chlorobenzene
Concen: 51.72 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 499289
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

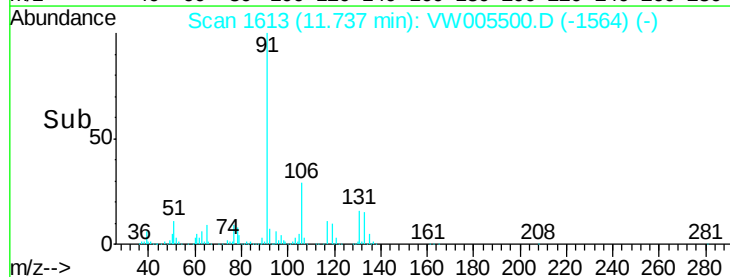
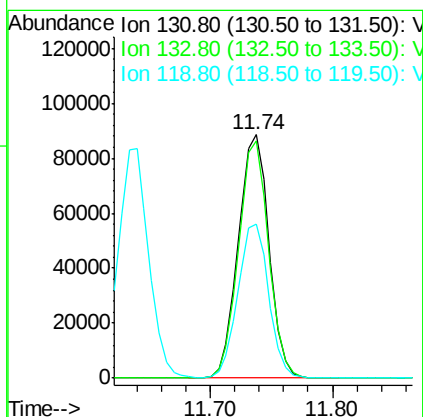
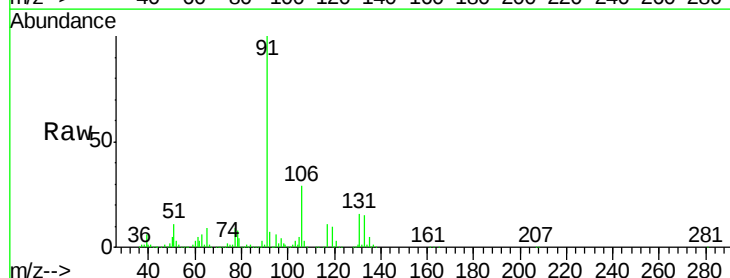
Manual Integrations
APPROVED

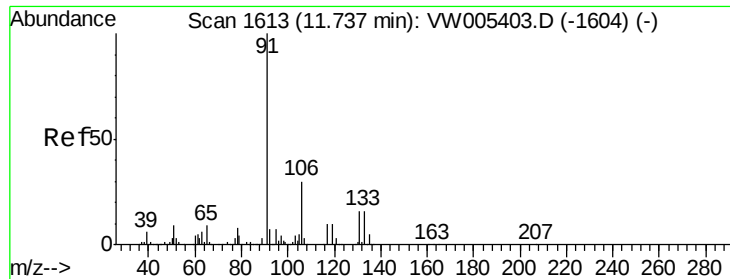
apatel
9/19/2018 3:44:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.88 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion:131 Resp: 153892
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 64.0 31.1 93.5





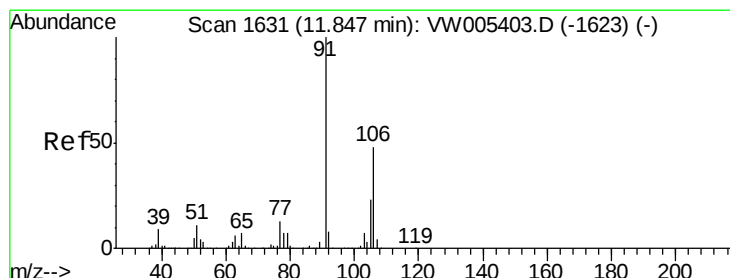
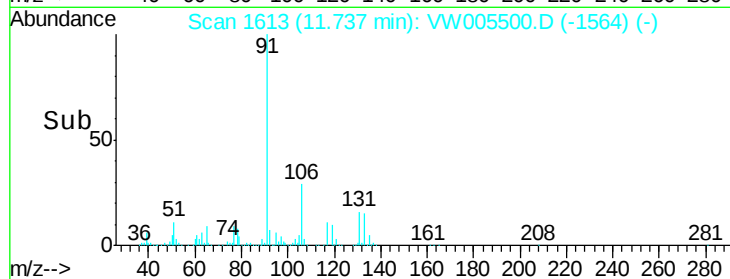
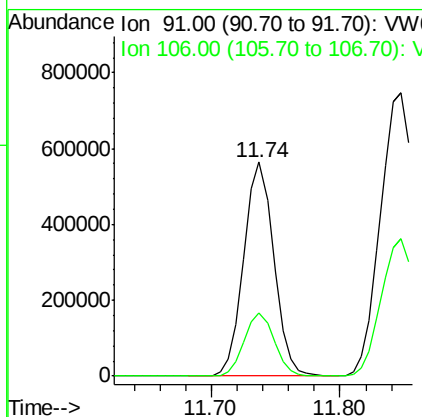
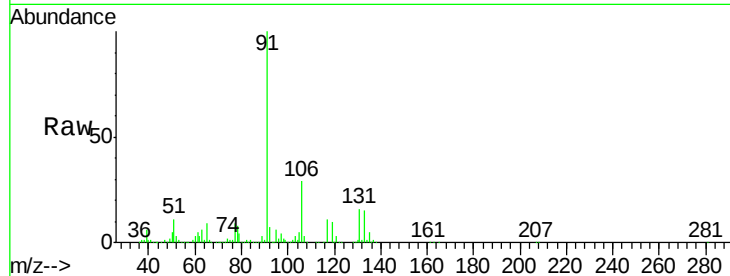
#67
Ethyl Benzene
Concen: 53.78 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 912890
Ion Ratio Lower Upper
91 100
106 29.4 24.2 36.4

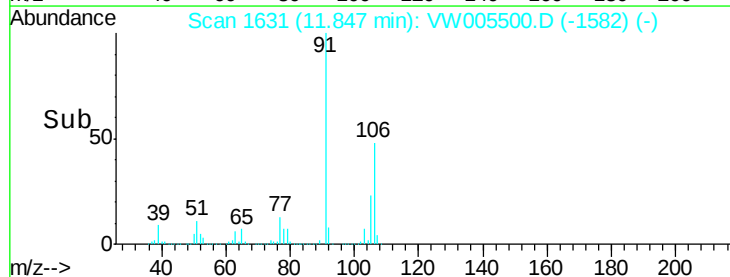
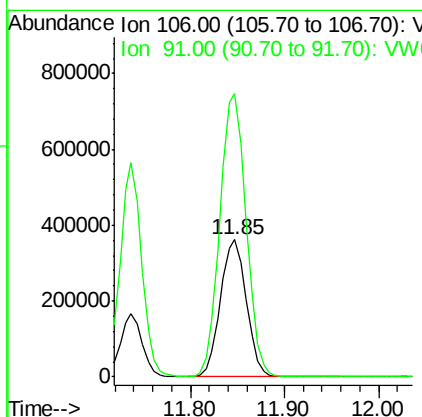
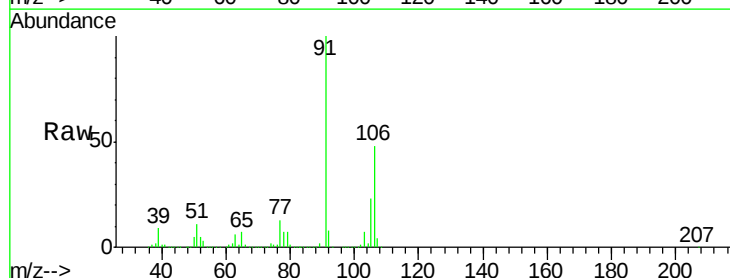
Manual Integrations
APPROVED

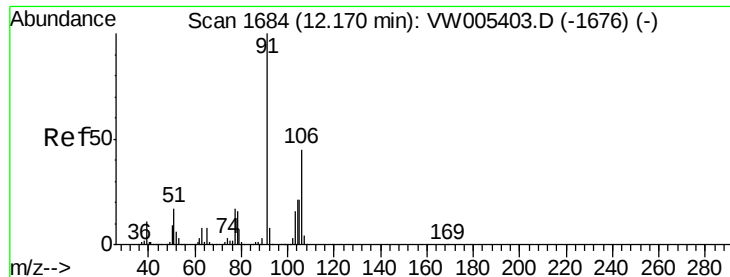
apatel
9/19/2018 3:44:50 PM



#68
m/p-Xylenes
Concen: 105.70 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion: 106 Resp: 690577
Ion Ratio Lower Upper
106 100
91 209.0 167.9 251.9





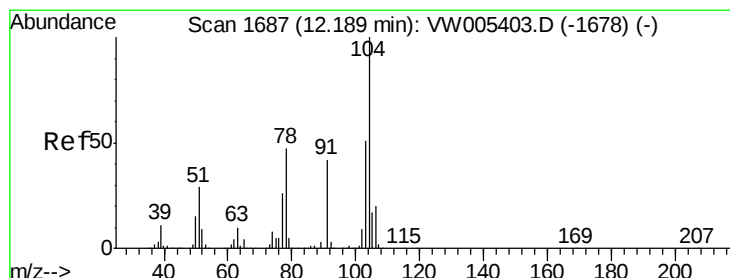
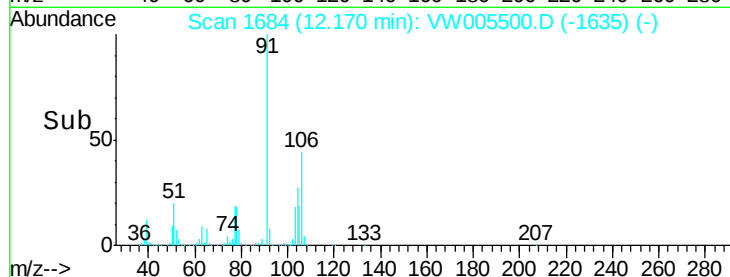
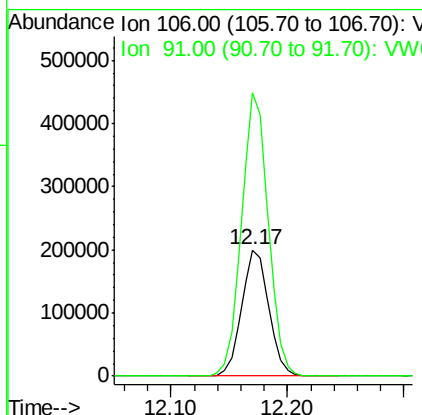
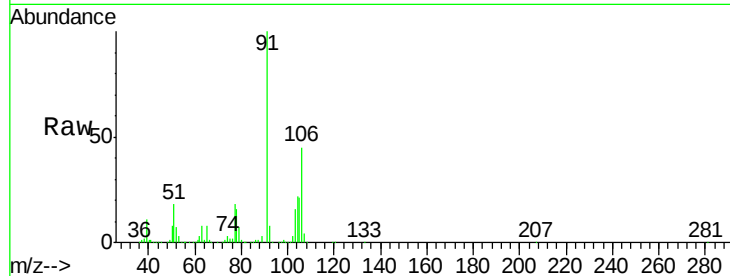
#69
o-Xylene
Concen: 53.31 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.5	110.6	331.6	

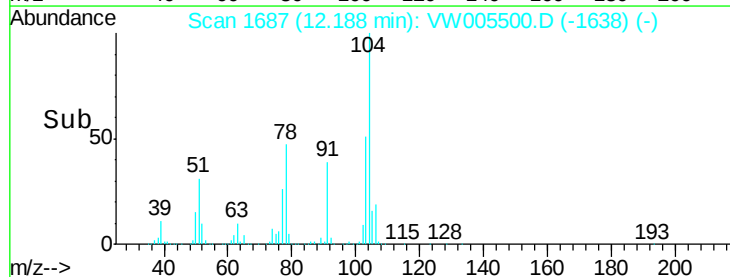
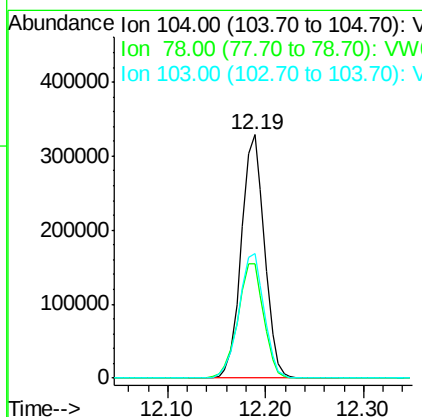
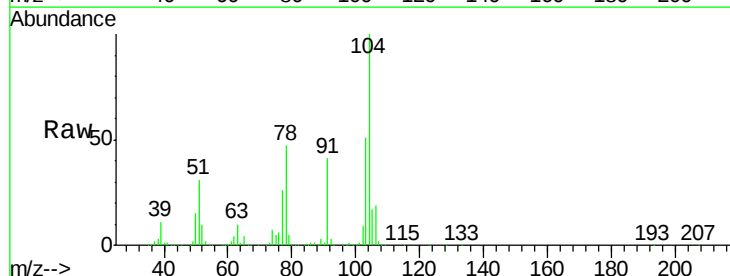
Manual Integrations
APPROVED

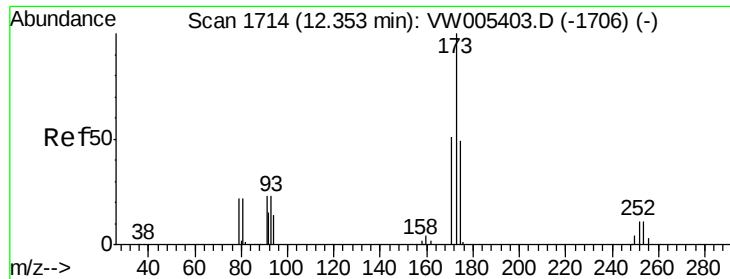
apatel
9/19/2018 3:44:50 PM



#70
Styrene
Concen: 53.93 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	42.4	63.6	
103	55.8	44.8	67.2	





#71

Bromoform

Concen: 48.01 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

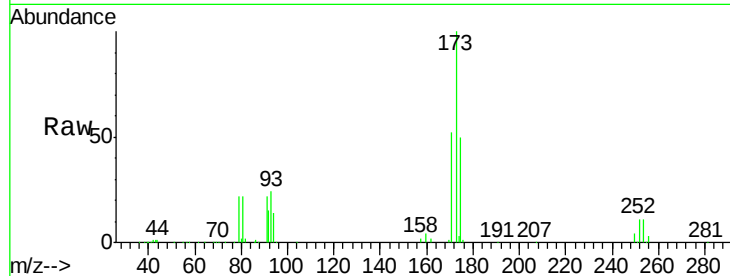
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.2	72.6
254	0.2	0.0	0.0

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM

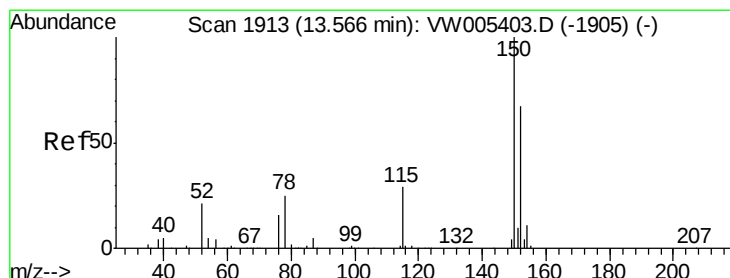
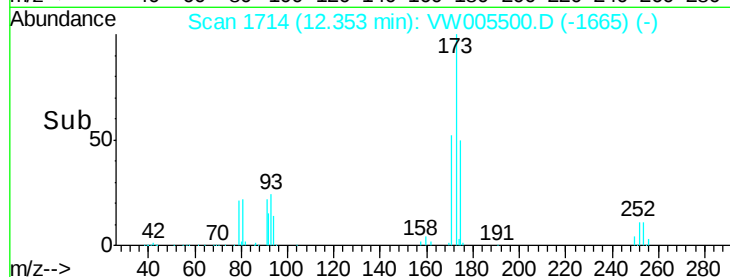
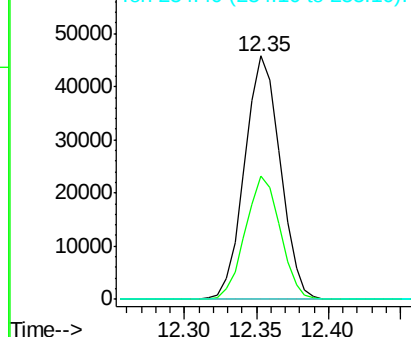


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

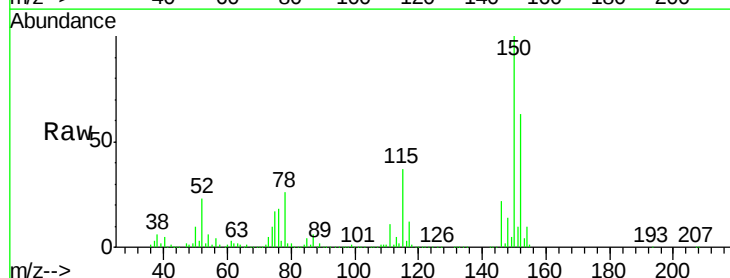
RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.5	88.5
150	174.4	0.0	345.6

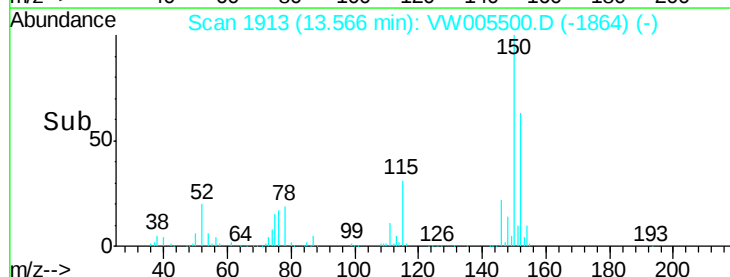
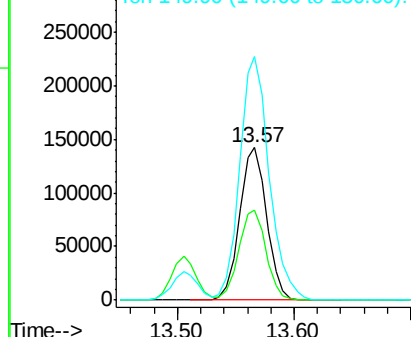


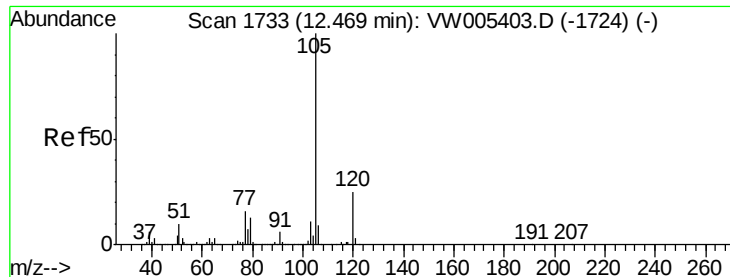
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.36 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 892599

Ion Ratio Lower Upper

105 100

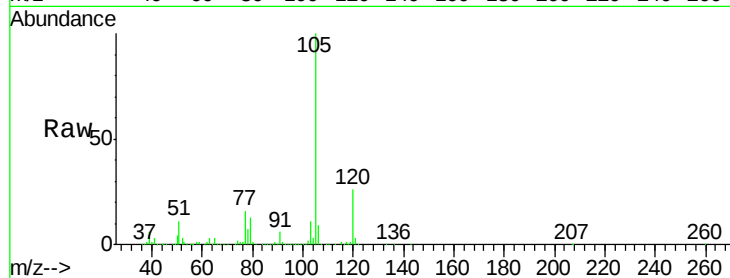
120 25.6 12.9 38.6

Manual Integrations

APPROVED

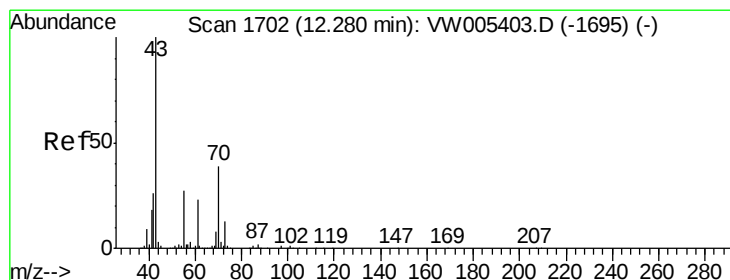
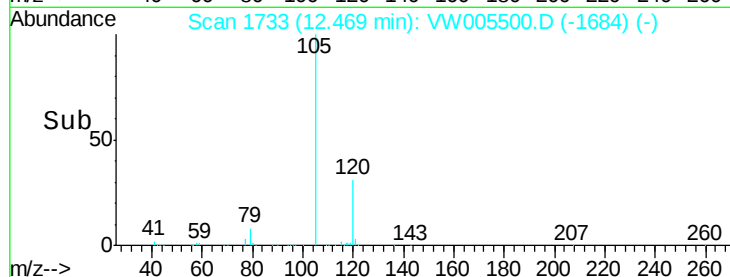
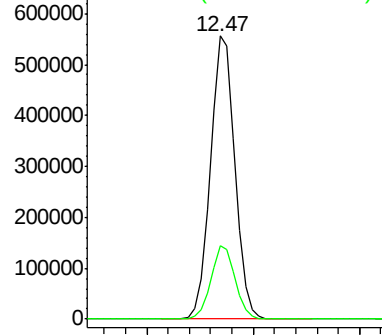
apatel

9/19/2018 3:44:50 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 62.13 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion: 43 Resp: 211095

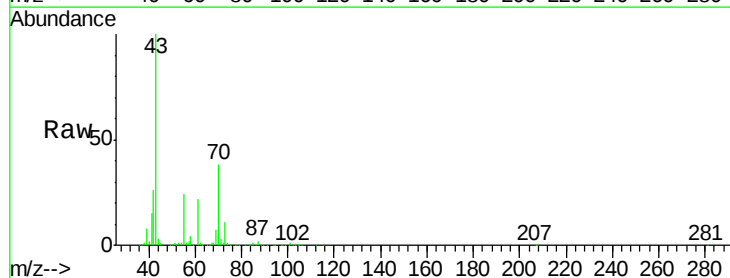
Ion Ratio Lower Upper

43 100

70 38.2 31.9 47.9

55 24.6 21.4 32.0

61 22.4 18.3 27.5

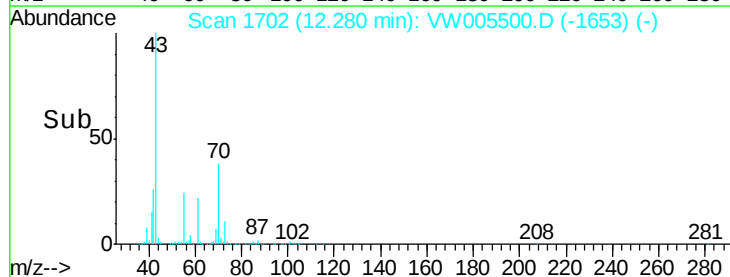
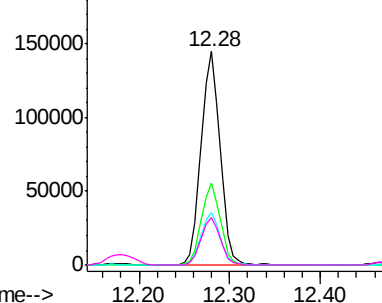


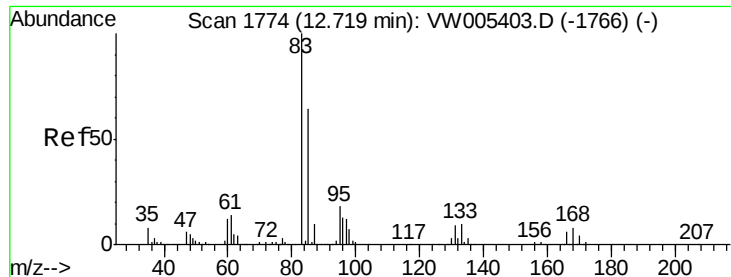
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 57.93 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

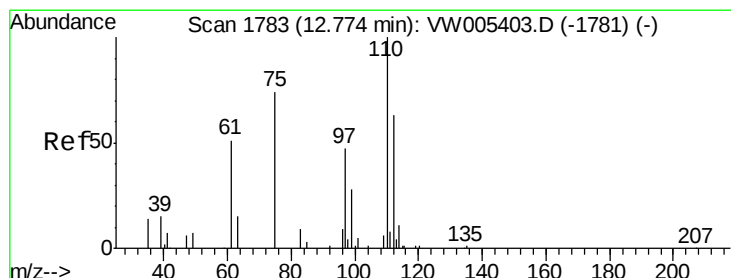
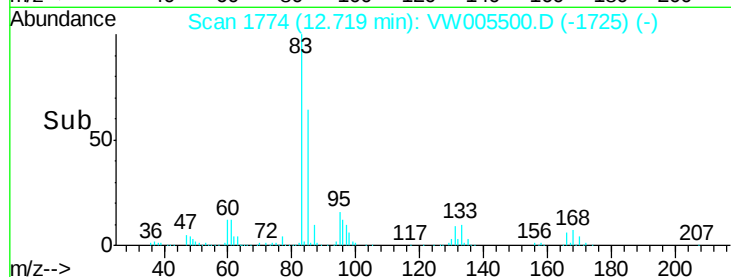
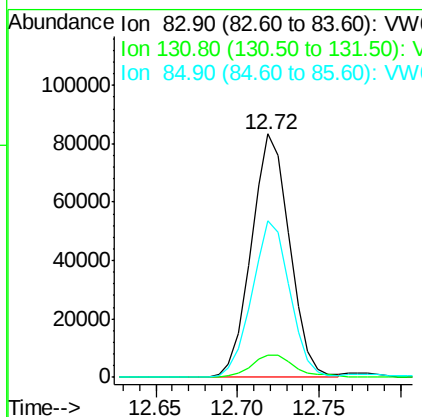
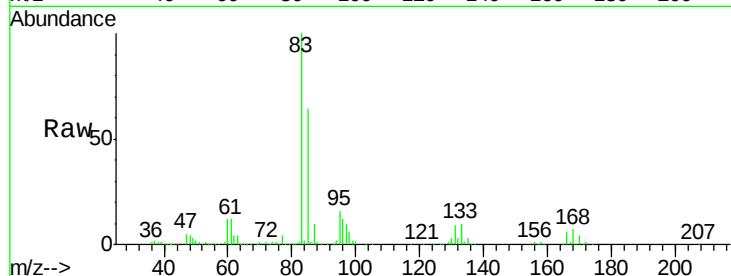
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	136265
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.7	17.1
85	63.8	31.6	95.0

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



#76

1,2,3-Trichloropropane

Concen: 51.37 ug/l m

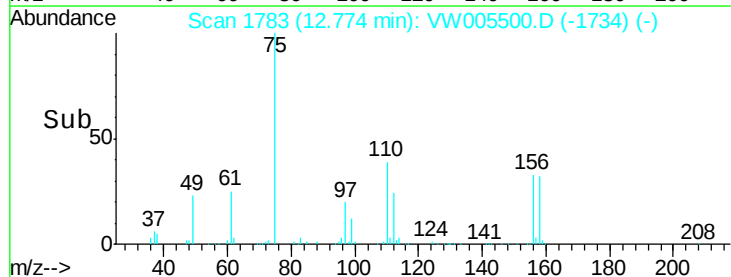
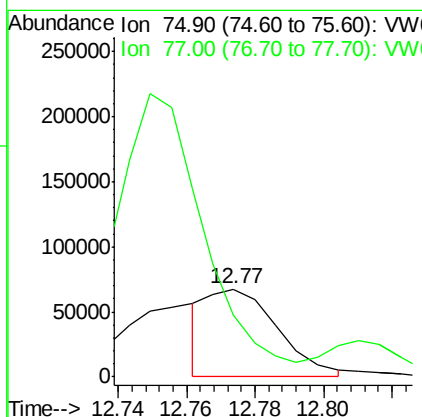
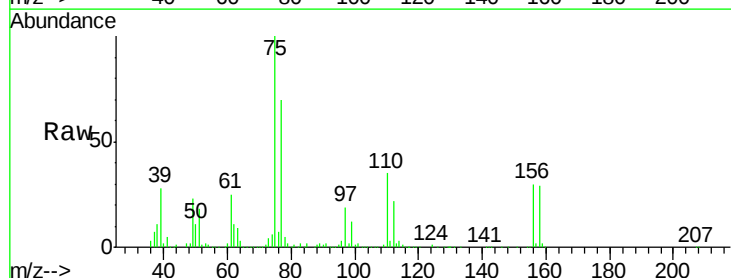
RT: 12.77 min Scan# 1783

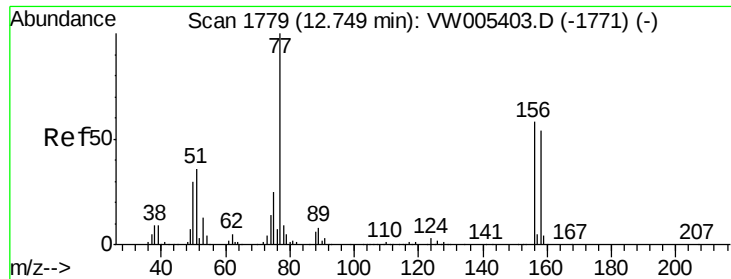
Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Tgt Ion:	75	Resp:	97108
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





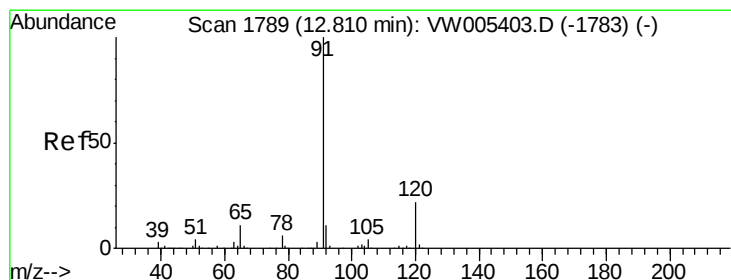
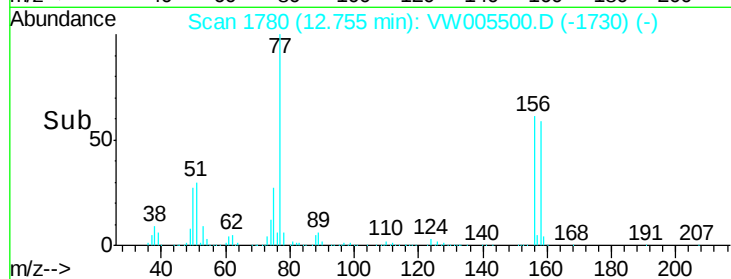
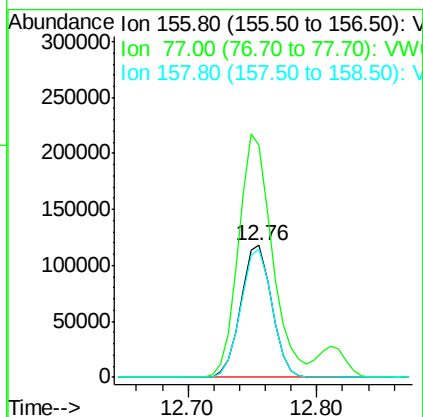
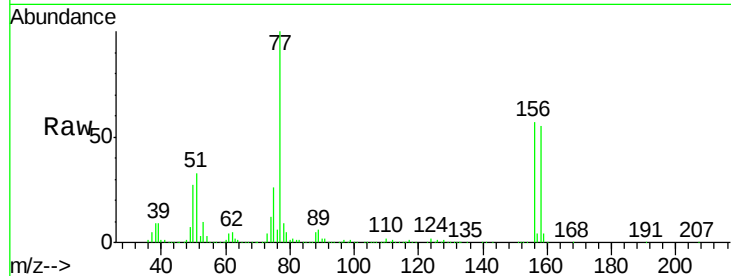
#77
Bromobenzene
Concen: 51.29 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.01 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.1	92.8	278.3
158	97.5	48.2	144.6

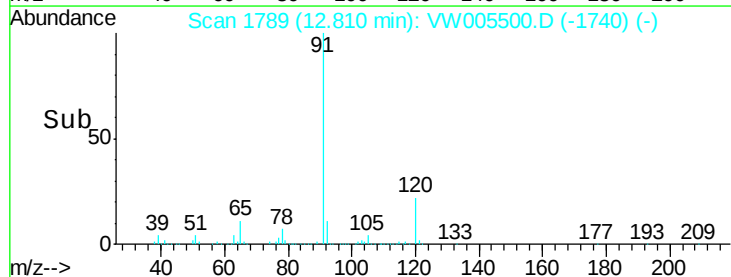
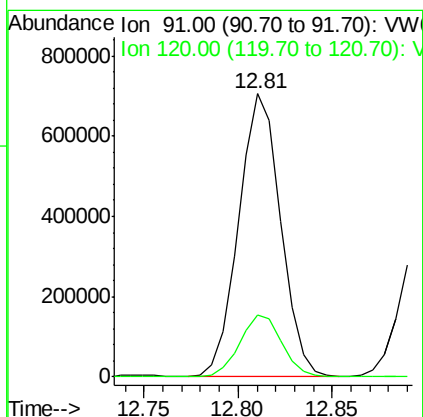
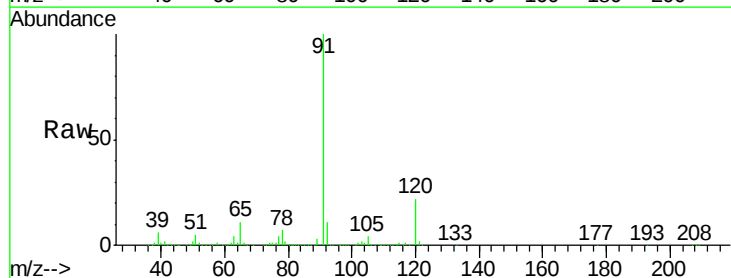
Manual Integrations
APPROVED

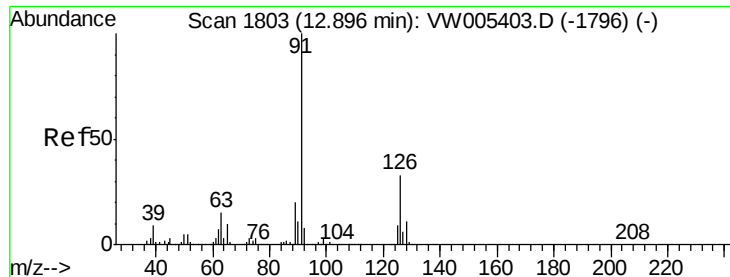
apatel
9/19/2018 3:44:50 PM



#78
n-propylbenzene
Concen: 55.89 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.3	33.8





#79

2-Chlorotoluene

Concen: 54.77 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 628849

Ion Ratio Lower Upper

91 100

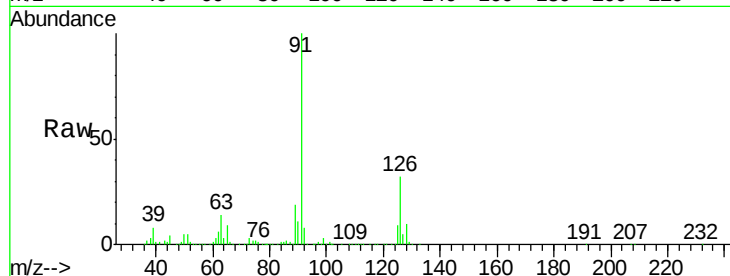
126 32.1 16.4 49.1

Manual Integrations

APPROVED

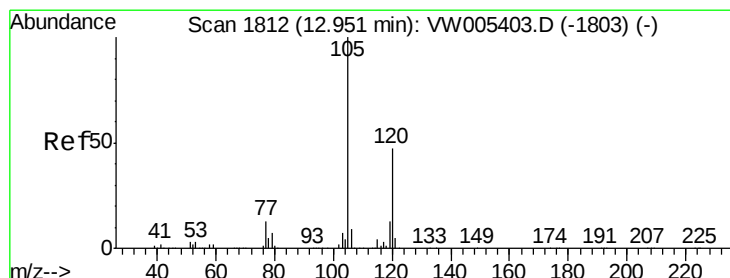
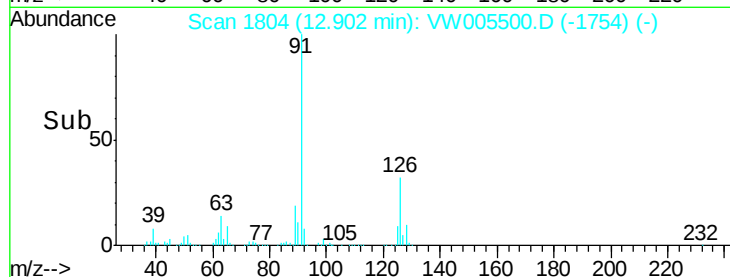
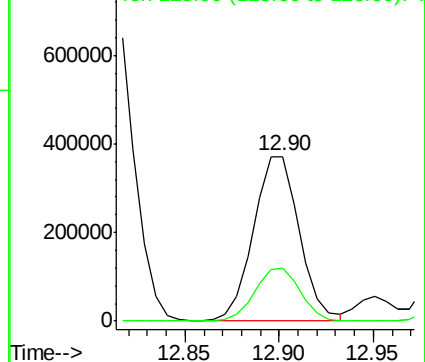
apatel

9/19/2018 3:44:50 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.78 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005500.D

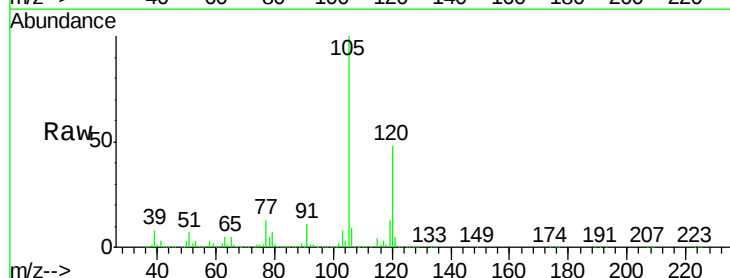
Acq: 19 Sep 2018 01:07

Tgt Ion: 105 Resp: 756622

Ion Ratio Lower Upper

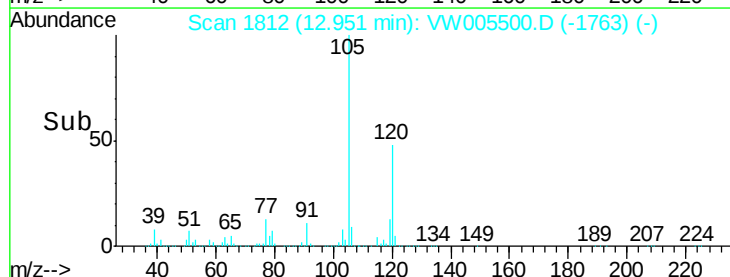
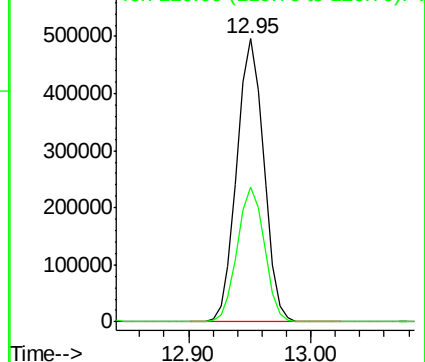
105 100

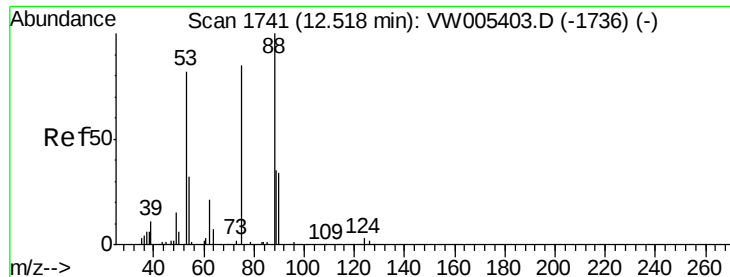
120 47.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





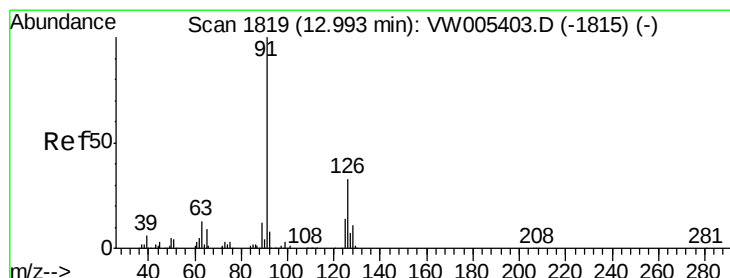
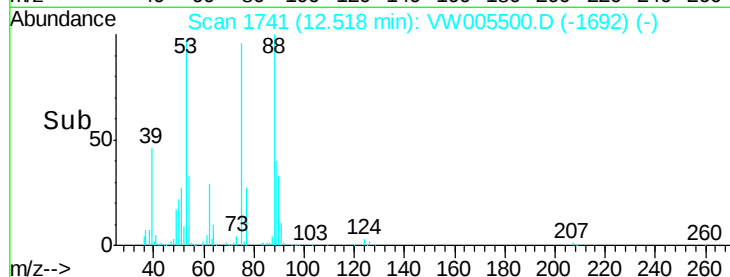
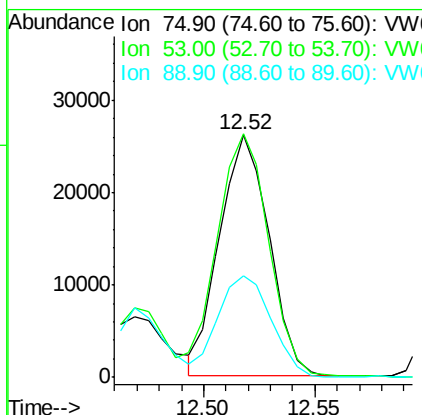
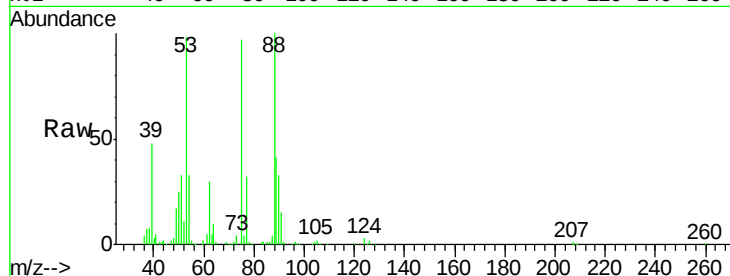
#81
trans-1,4-Dichloro-2-butene
Concen: 55.49 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	83.2	124.8
89	45.9	36.6	54.8

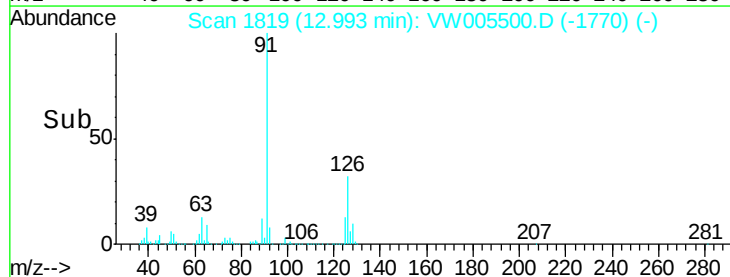
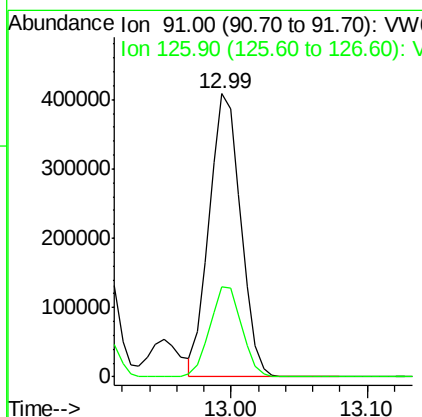
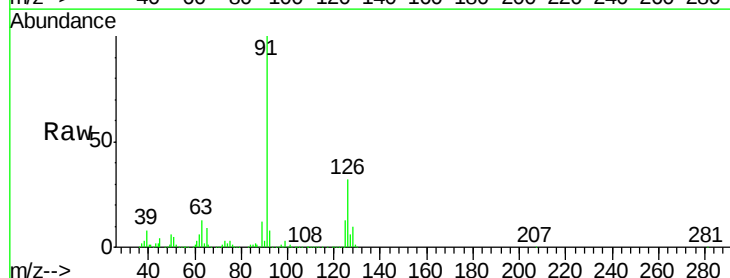
Manual Integrations
APPROVED

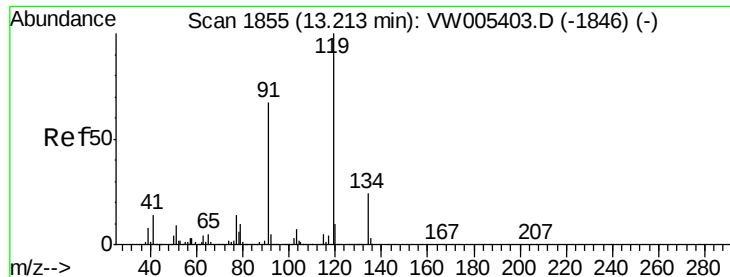
apatel
9/19/2018 3:44:50 PM



#82
4-Chlorotoluene
Concen: 53.89 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.1





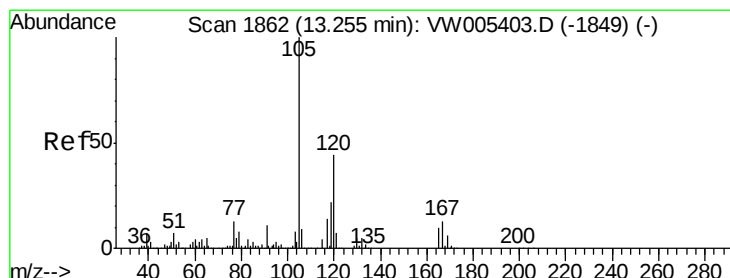
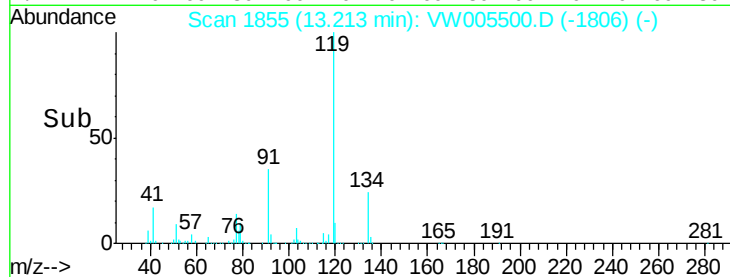
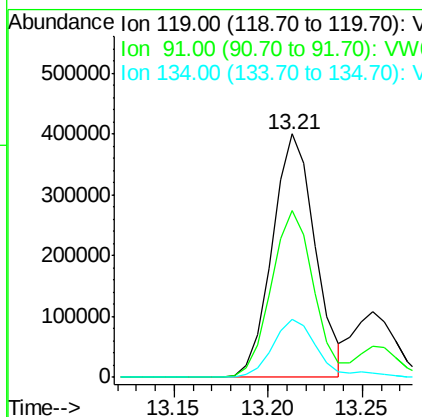
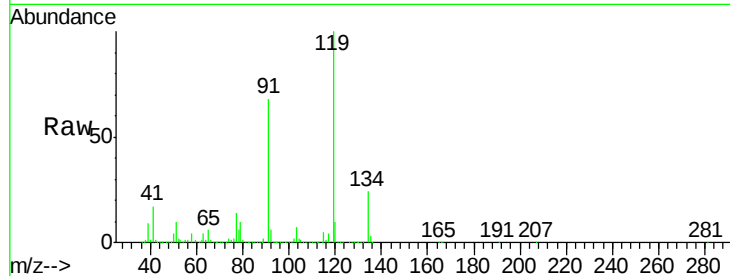
#83
 tert-Butylbenzene
 Concen: 53.87 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.4	103.2
134	25.5	12.7	38.0

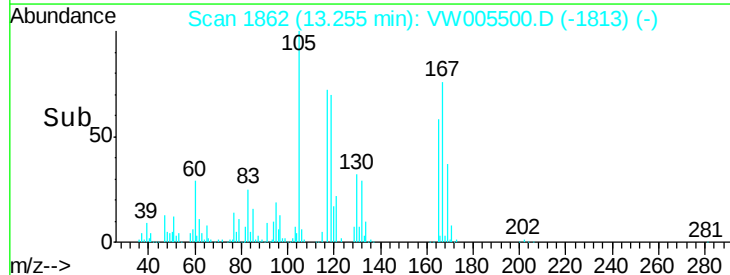
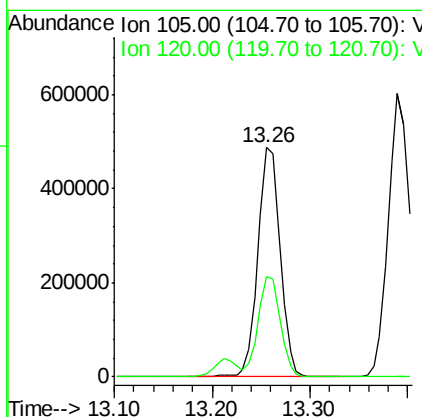
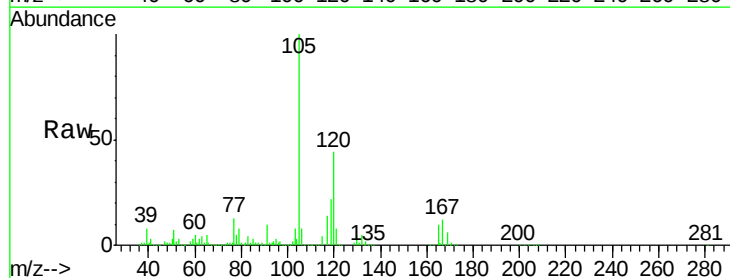
Manual Integrations
 APPROVED

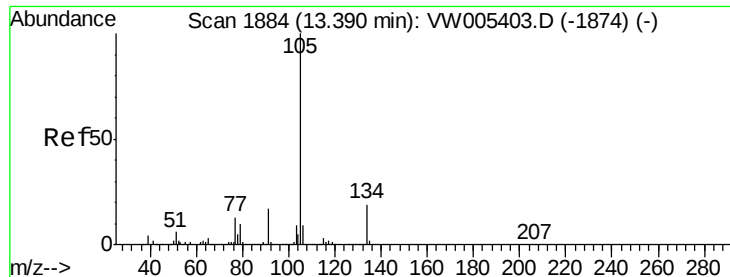
apatel
 9/19/2018 3:44:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.05 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.3





#85

sec-Butylbenzene

Concen: 54.28 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 916480

Ion Ratio Lower Upper

105 100

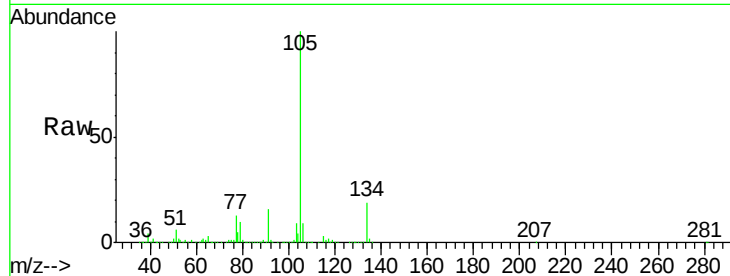
134 19.4 9.8 29.5

Manual Integrations

APPROVED

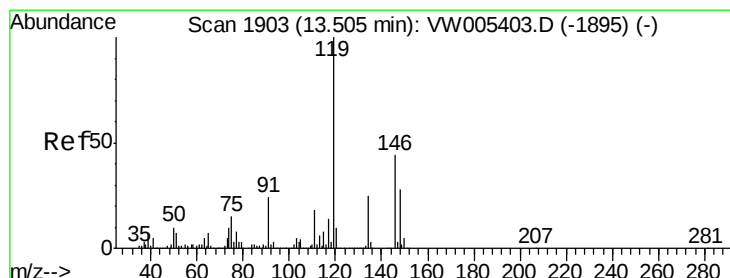
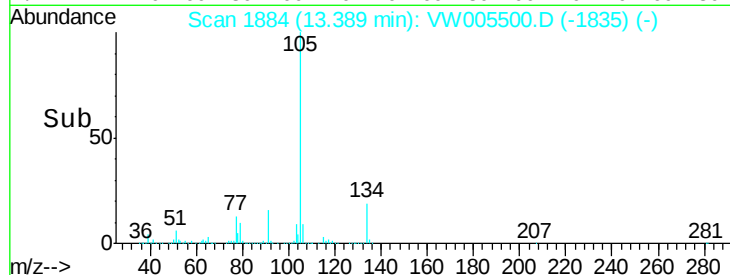
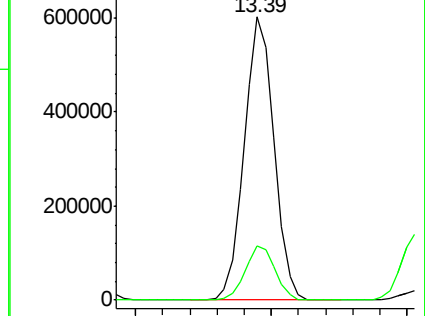
apatel

9/19/2018 3:44:50 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.40 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005500.D

Acq: 19 Sep 2018 01:07

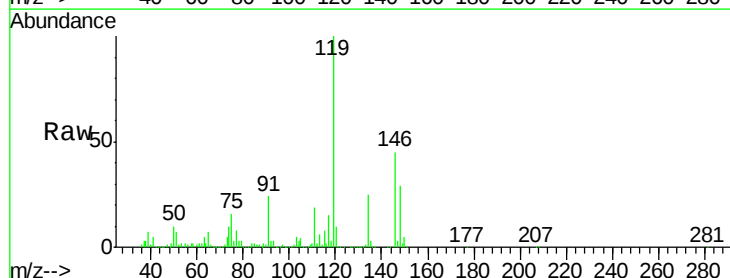
Tgt Ion:119 Resp: 806410

Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

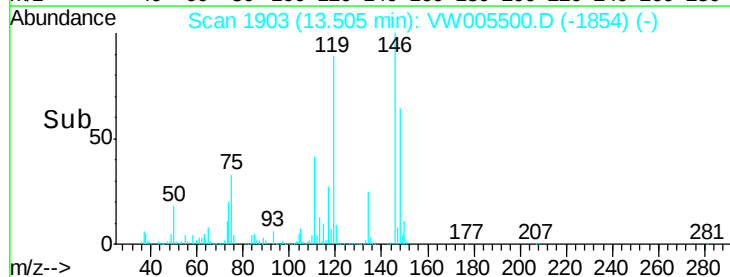
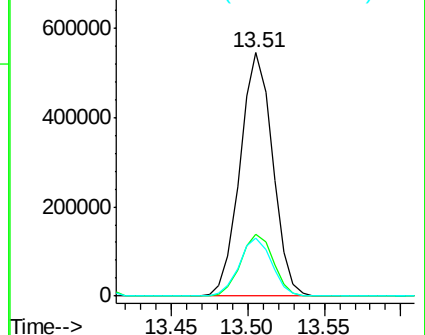
91 24.0 12.0 36.0

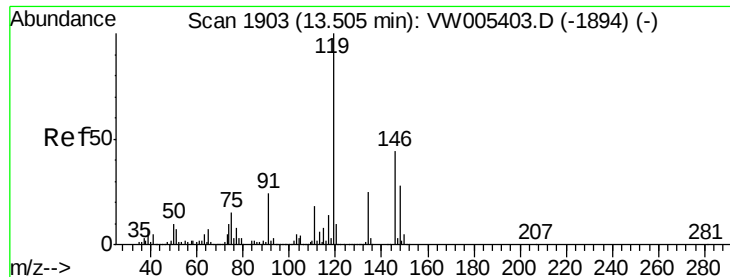


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





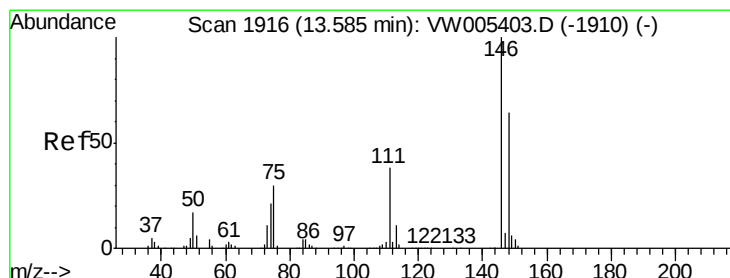
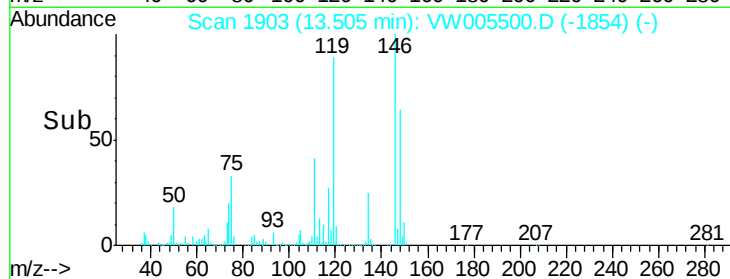
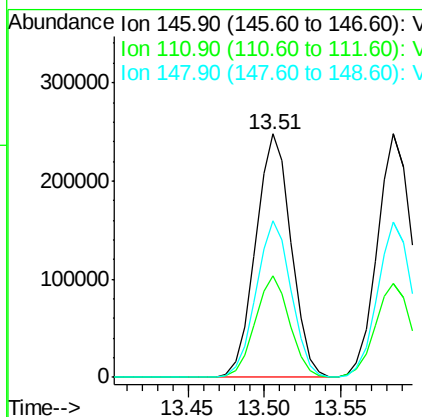
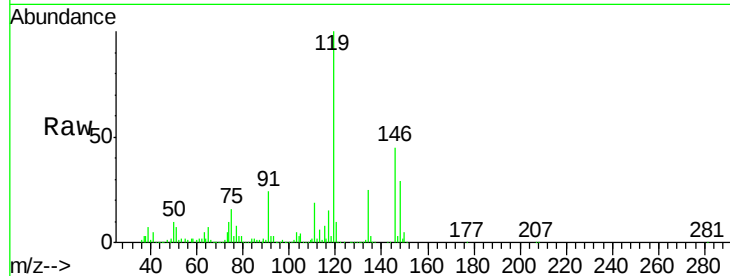
#87
 1,3-Dichlorobenzene
 Concen: 51.72 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	399839		
111	40.4	20.4	61.2	
148	63.8	32.0	96.0	

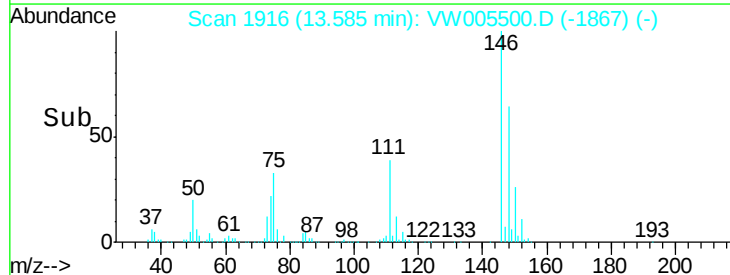
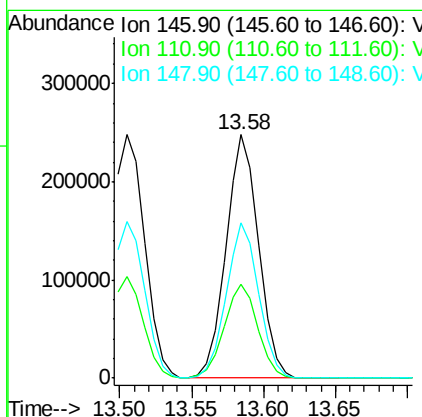
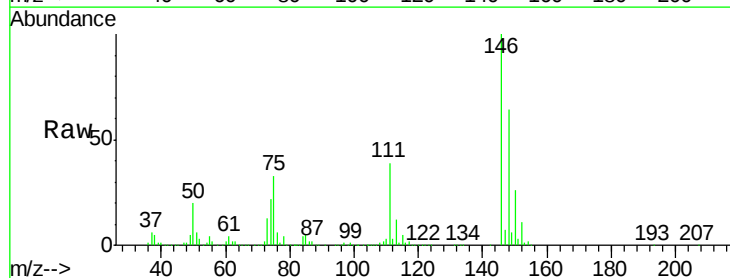
Manual Integrations
 APPROVED

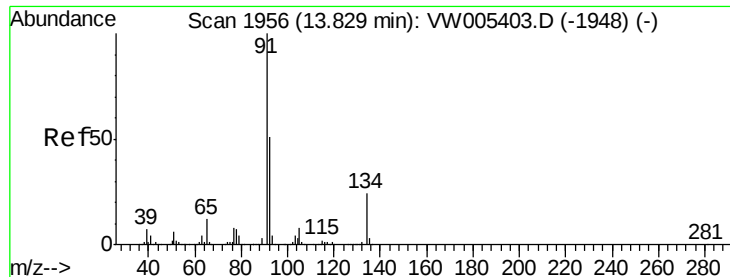
apatel
 9/19/2018 3:44:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.40 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	391369		
111	39.8	19.6	58.8	
148	63.7	31.8	95.4	





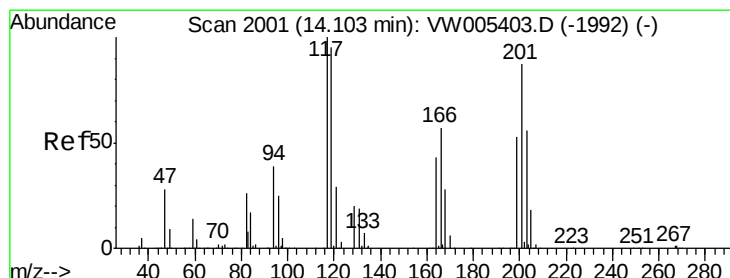
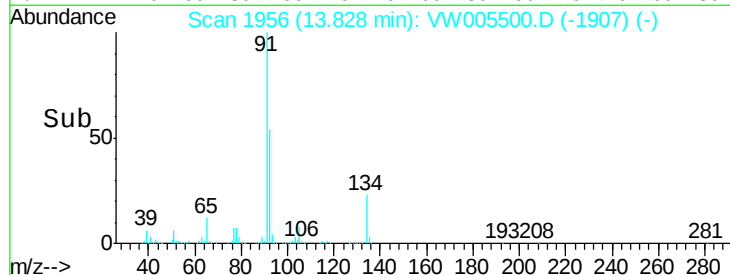
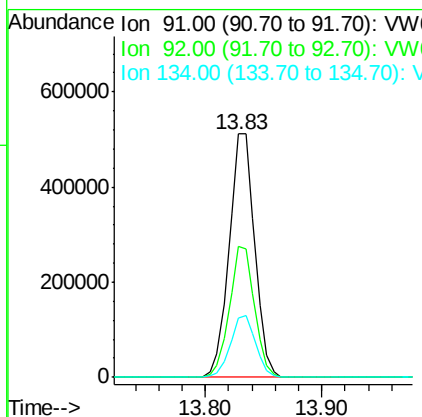
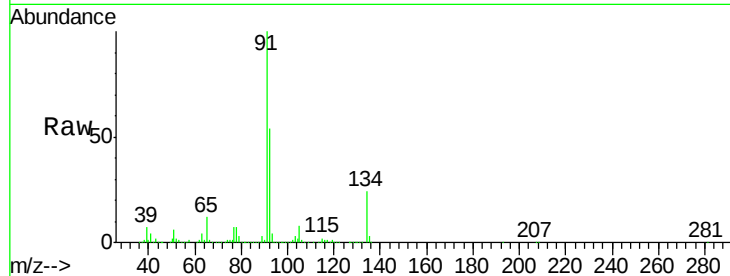
#89
n-Butylbenzene
Concen: 55.41 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.6
134	25.0	12.7	38.1

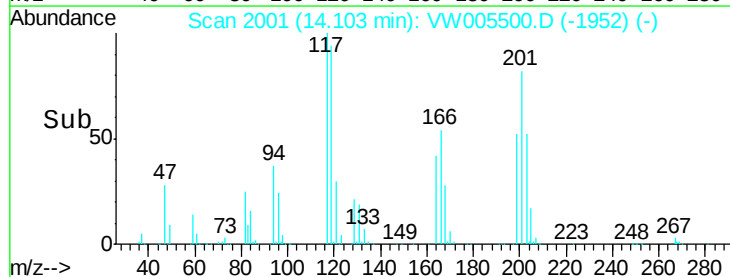
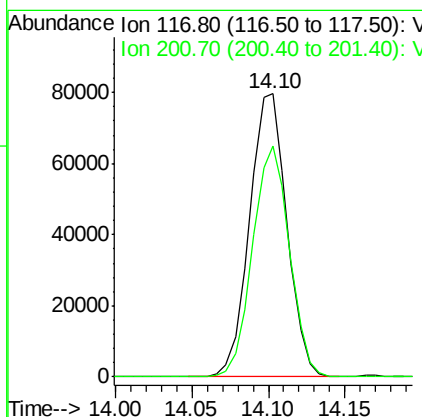
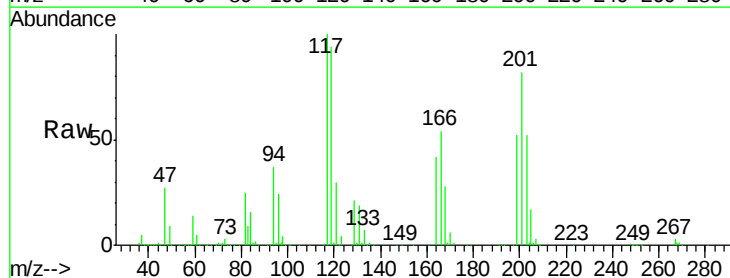
Manual Integrations
APPROVED

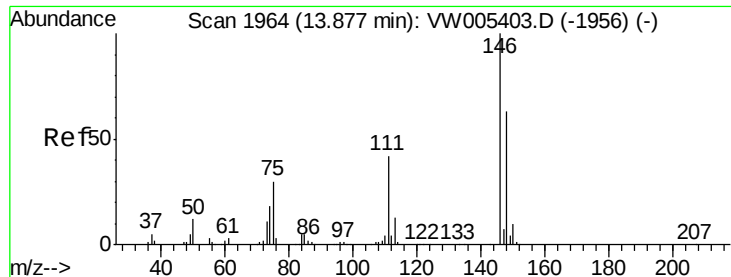
apatel
9/19/2018 3:44:50 PM



#90
Hexachloroethane
Concen: 52.34 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	42.5	127.5





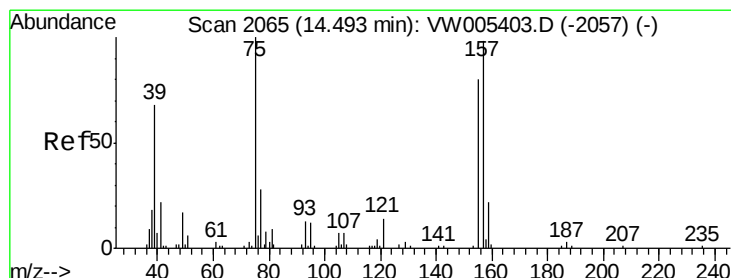
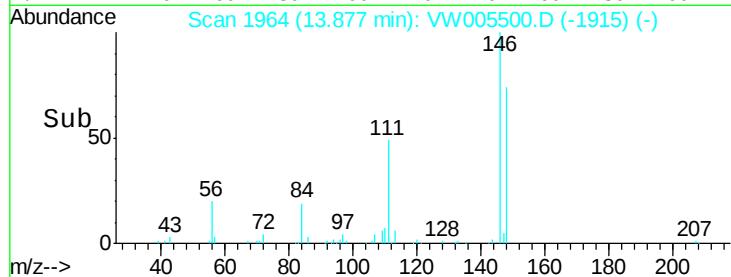
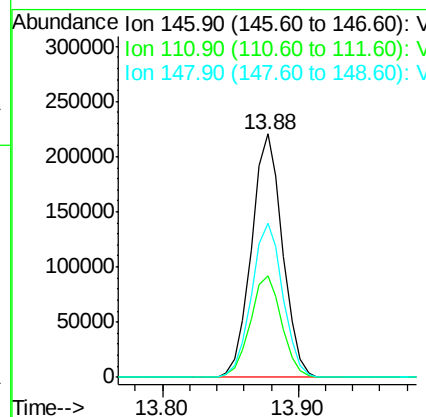
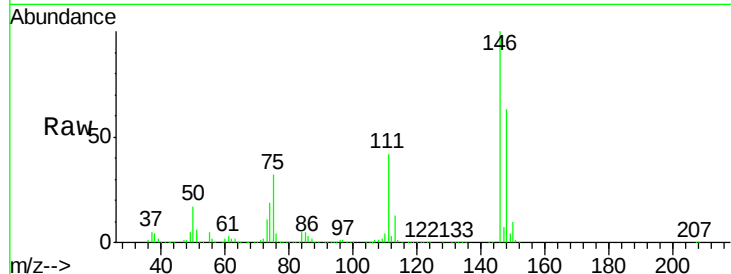
#91
 1,2-Dichlorobenzene
 Concen: 52.18 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	63.9	31.9	95.9

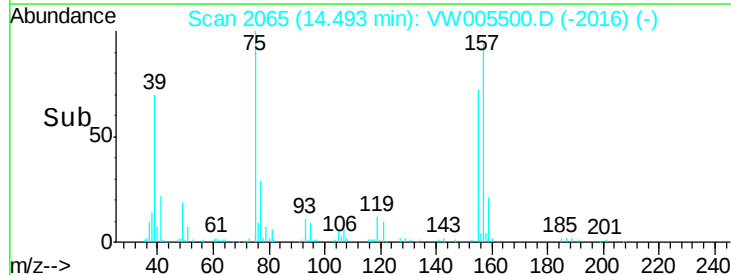
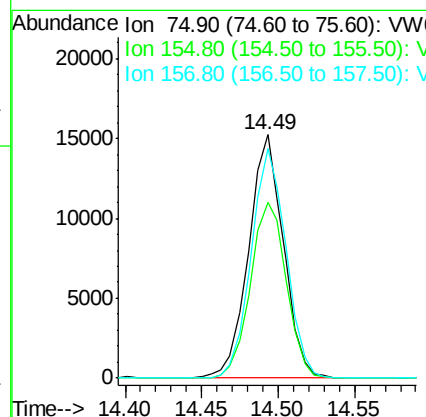
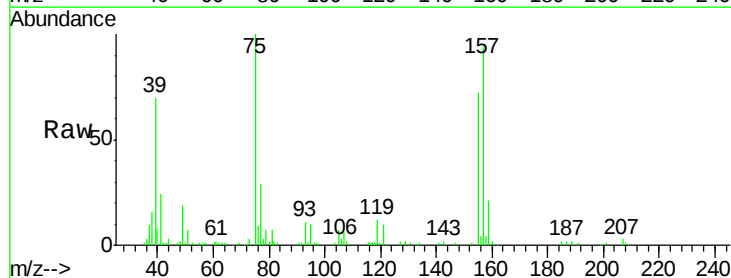
Manual Integrations
 APPROVED

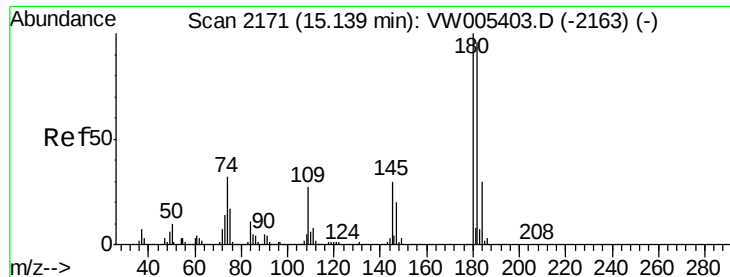
apatel
 9/19/2018 3:44:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.28 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	39.0	117.0
157	94.3	49.9	149.6





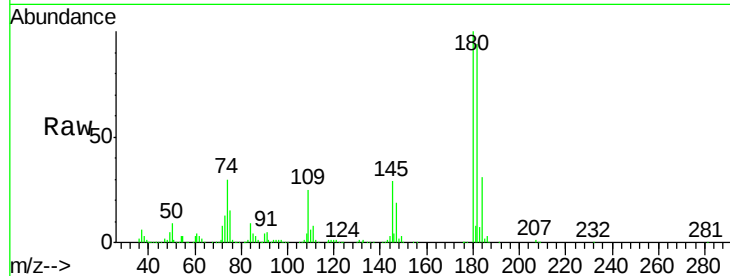
#93
 1,2,4-Trichlorobenzene
 Concen: 52.60 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

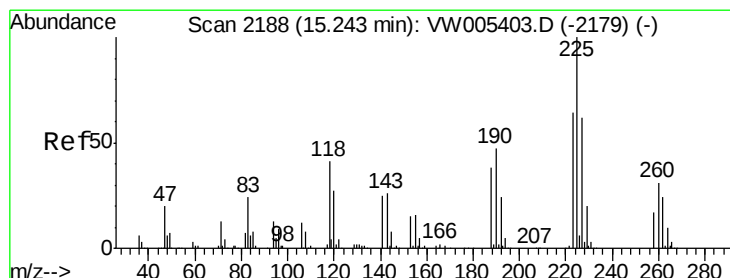
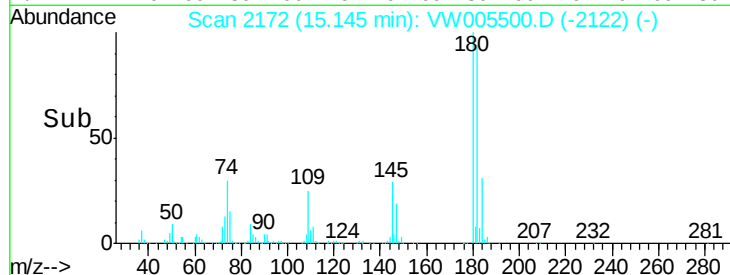
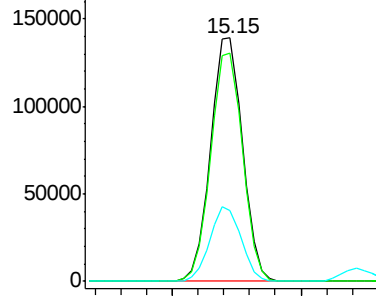
Tot Ion	Ratio	Resp	Lower	Upper
180	100	237151		
182	93.7	47.3	141.9	
145	30.1	14.8	44.3	

Manual Integrations
 APPROVED

apatel
 9/19/2018 3:44:50 PM

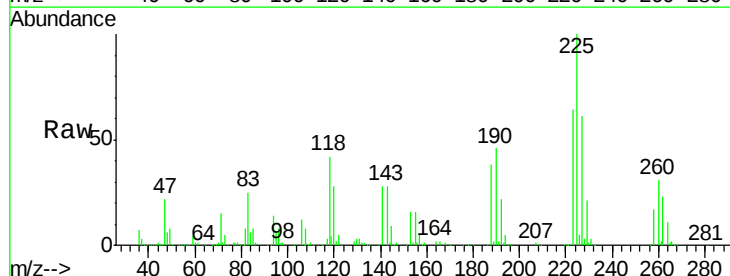


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

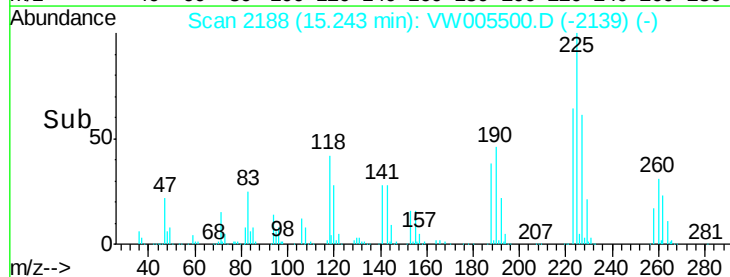
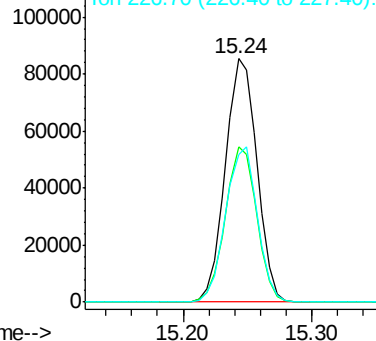


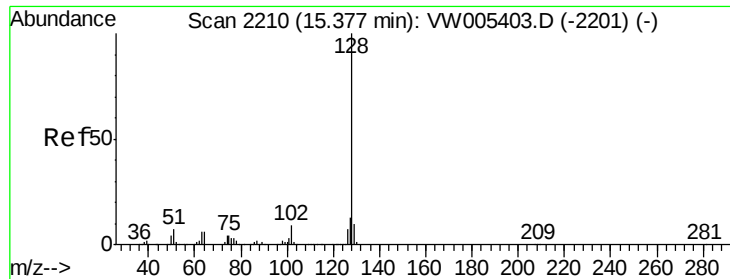
#94
 Hexachlorobutadiene
 Concen: 49.06 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005500.D
 Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144433		
223	63.5	31.2	93.6	
227	63.8	31.6	95.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





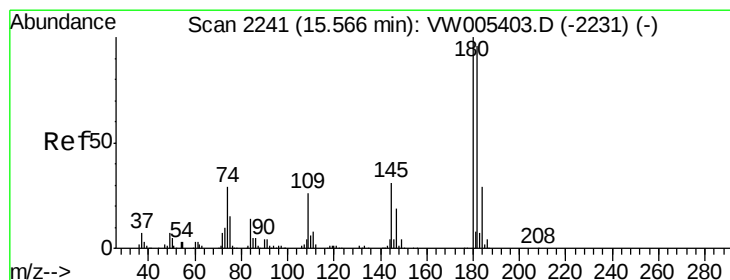
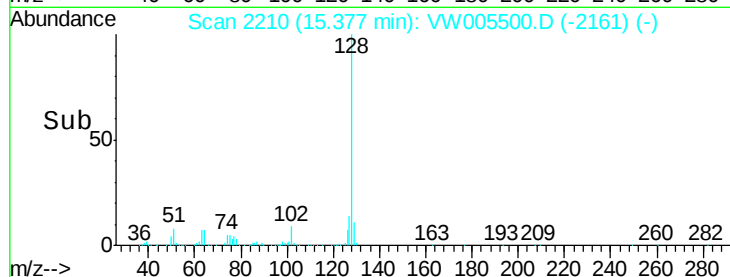
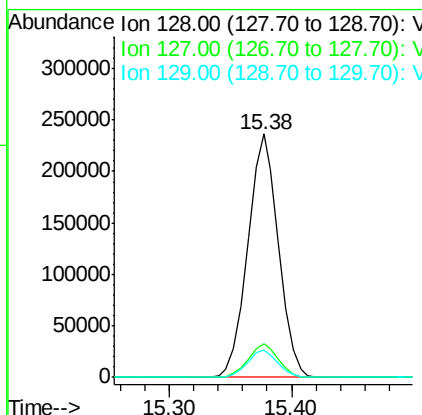
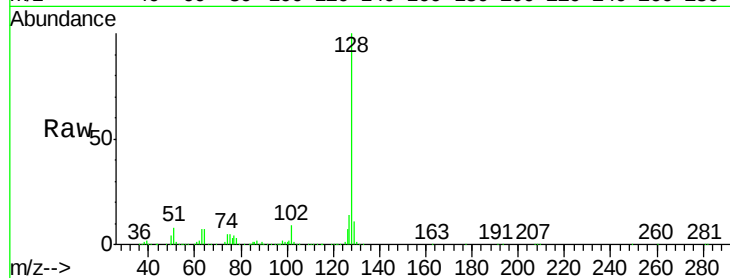
#95
Naphthalene
Concen: 54.59 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	11.1	8.7	13.1

Manual Integrations
APPROVED

apatel
9/19/2018 3:44:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.99 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005500.D
Acq: 19 Sep 2018 01:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.4
145	32.0	15.9	47.7

